بِسُمِ اللهِ الرَّحْنِ الرَّحِيْمِ

(In the Name of Allah, the Most Compassionate, the Most Merciful.)

Mathematics Grade 1

Based on Single National Curriculum 2020 ONE NATION, ONE CURRICULUM



PUNJAB CURRICULUM AND TEXTBOOK BOARD, LAHORE

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Unit 1

Whole Numbers

Learning Outcomes

After completing this unit, you will be able to:

- · Identify numbers 1-9.
- · Identify 0 as a number.
- Read numbers up to 9 in numerals and in words.
- Write numbers up to 9 in numerals and in words.
- Count objects up to 9 and represent in numbers.
- Match numbers 0-9 with objects.
- Count backwards from 9.
- Arrange numbers in ascending and descending order (up to 9)
- · Identify which number (up to 9) comes.
 - Before and after a given number.
 - · Between two given numbers:
- · Identify 10 as a 2-digit number.
- Compare and order the numbers 0-10.
- Read numbers up to 99.
- Write numbers up to 99.
- Count forward and backward up to 99.
- Recognize the place value of a specific digit/ln a 2-digit numbers (tens and ones)

three

four

- · Identify the place value of the specific digit in a 2-digit number
- Decompose a number up to 99 to identify) the value of a number in tens and ones place.
- Compare 1-digit-and-2-digit,numbers.
- · Order the set of numbers from 0 to 99 in ascending and descending order.
- · Identify which number (up to 99) comes:
 - Before and after a given number.
 - · Between two given numbers.
- · Count in tens and recognize 100 as a 3 digit numbers.
- dentify and write missing numbers in a sequence from 1 to 100.
- · Count and write numbers of objects in a given set.
- Identify the position of objects using ordinal numbers such as first, second, ..., tenth, including representations 1st, 2nd, ..., 10th through pictures.
- · Compare two or more groups of objects in terms of numbers.
- Match objects having one to one correspondence.
- the number of objects in two groups to show more than an

Can you read these numbers?



Counting 1 to 9



I have a lot of toys.

Can you help me to count them?



Let's count and read.



(I)





2







3









4



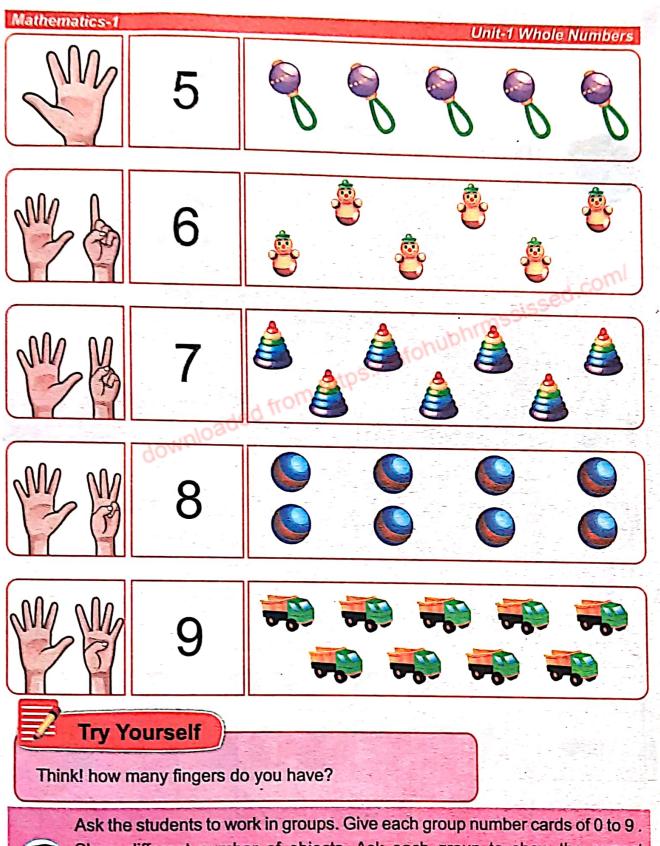






Not For Sale - PESRP

2

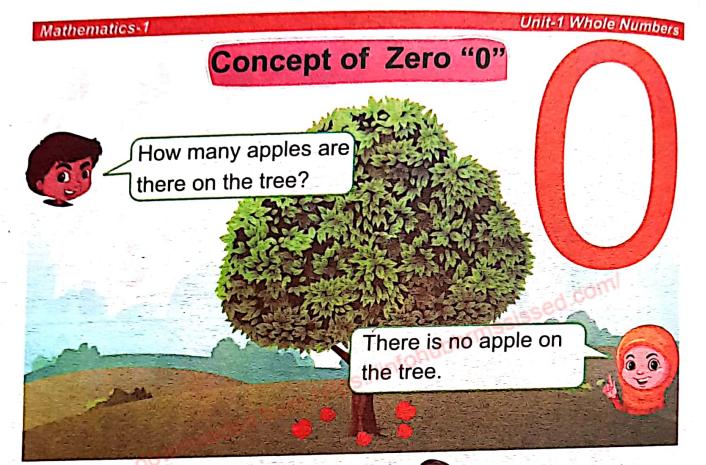


Ask the students to work in groups. Give each group number cards of 0 to 9.

Show different number of objects. Ask each group to show the correct number card one by one. Repeat this activity several times with different numbers and objects.

Not For Sale - PESRP

3





There is no apple on the tree. It means there are zero "0" apples.

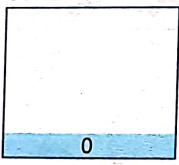


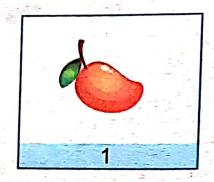
Only zero (0) means "nothing"

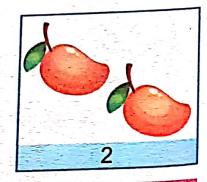
Try Yourself

How many legs does a fish have?

Count and read.









Place 5 baskets and 4 balls on the table. Then put a ball in each basket. Ask the students how many baskets have balls and how many baskets are empty. Let them know that 4 baskets have balls and 1 is empty. The empty basket shows that there is no ball in it, it means there are zero "0" balls.

4

Counting



Let's count the objects and read.

0		zero
1		one
2		two
3	Loaded Colored	three
4		four
5		five
6		six
7		seven
-8		eight
9		nine



Hang a number wall chart (0 to 9) on the wall. Then ask the students to read aloud.



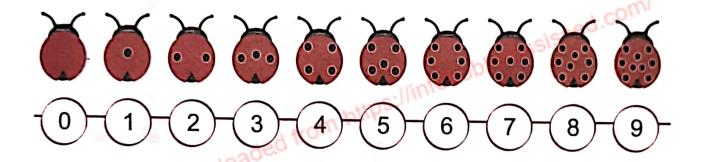
Count the objects and write.

Godin the objects and	A SHIPPING	1000
	0	zero
	subhrmssisse	4.comi
(a) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		
so so so so so so		

Forward Counting



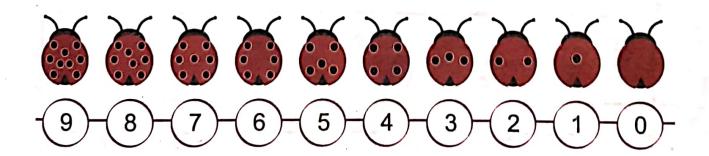
Let's count the dots in the pictures below and read forward counting from 0 to 9.



Backward Counting



Let's count the dots in the pictures below and read backward counting from 9 to 0.

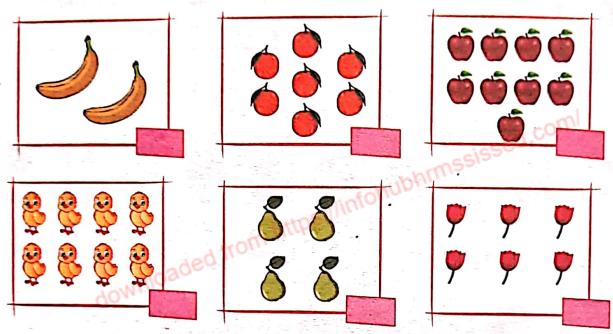




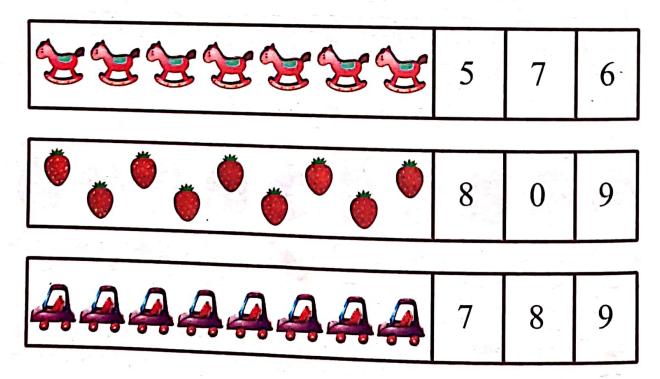
Place number cards (0 to 9) randomly on the table. Call a student and ask him/her to put the number cards in order on the table. Then ask him/her to count forward (0 to 9) and count backward (9 to 0).



Count the objects and write the correct number in the boxes.



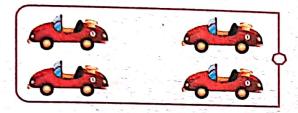
Count the objects and encircle the correct number.



Count the objects and match with the correct number.







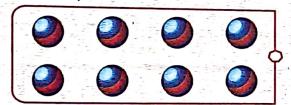














Write the number of eggs in the boxes besides the nests:





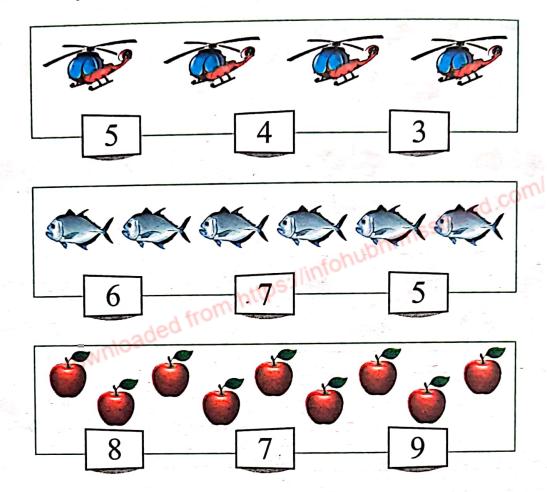








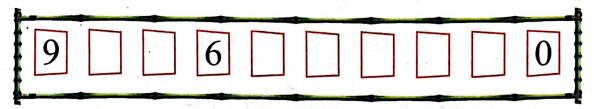
Count the objects and colour the correct number.



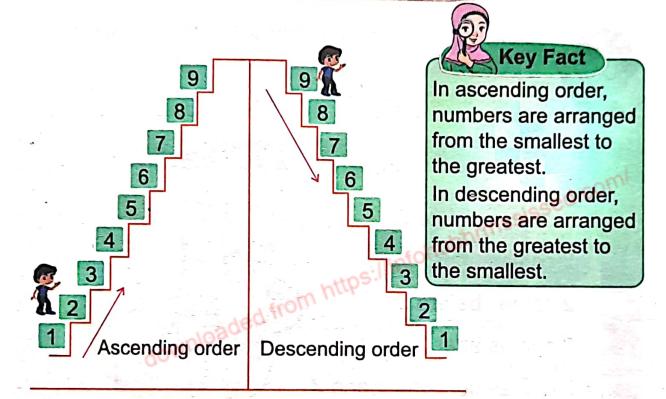
Count forward and write the missing numbers.



Count backward and write the missing numbers.



Ordering Numbers



Write the following numbers in ascending order:

4	0	5	<u>.</u>	1	4	3

Write the following numbers in descending order:

4	7	3		7	9	8
		10,690F	. a :			

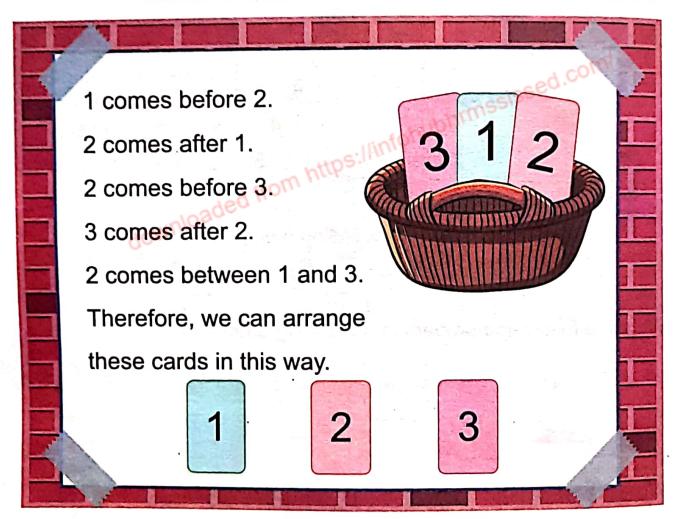


Write more than two numbers on the writing board and ask students which number is the greatest or the smallest. Then ask them to arrange these numbers in ascending and descending order.

Before, After and Between



There are three number cards in the basket. Can you help me to arrange these cards in ascending order?





Which number comes before and after 4?



Place some number cards upside down on the table. Call any student in front of the class and ask him/her to pick up any number card. Then ask which number comes before and after that number.



Write the number that comes before the given number.









Write the number that comes after the given number.









Write the number that comes between the given numbers.









Concept of Ten "10"



I have 9 candies. When I add 1 more candy to the 9 candies, I have 10 candies.

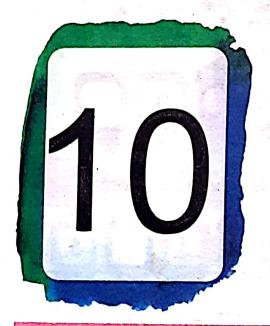




9 candies

1 candy

10 candies





Key Fact

10 is the first 2-digit number.



- · Which number comes after 9?
- Which number comes before 10?



Show the students a large-sized flash card with the number 10 written on it. Paste a number chart from 0 to 10 on the writing board and ask students to find the number 10 on it.

Place Value (Tens and Ones)



I have 9 pencils. If I add 1 more pencil, I will have 10 pencils.



9 ones



1 one



10 ones



Now, I have 1 bundle of 10 pencils only. It means there is 1 ten and 0 ones.



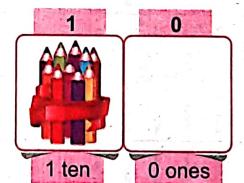
1 ten



Key Fact

10 ones make 1 ten.

10 ones = 1 ten



1 ten and 0 ones = 10



Key Fact

2-digit number consists of ones and tens.



Place pencils or ice-cream sticks on the table. Ask any student to count 10 pencils or ice-cream sticks. Then give him/her a rubber band and ask him/her to make a bundle of 10 pencils or ice-cream sticks.

Numbers 1-10



Count and read.

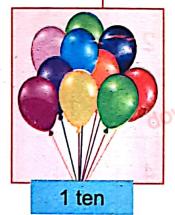
								Tens	Ones
Î	4			5.4		٠.	Key Fact	nssisse	1
Í	Í						Numbers 0 to 9 are called ones.	- San Carlot	2
Î		Î		JOV	nlo	ad			3
Í	Í	Í			l.		9 is the greatest	,	4
Í	Î	Í					1-digit number.	,	5
Í	Í	Î	j		ĺ				6
Î	Í	Í	f		Î	Î			7
Î	Î		Í		Î	Î	Í	5, 2,	8
Î		Î	Í		Í		Î		9
	Î	Í		Í		Î		1	0



I have 14 balloons.

Let's circle 10 balloons to make a bundle.







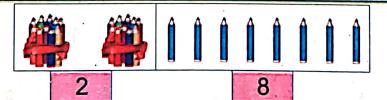
Now, I have 1 bundle of 10 balloons and 4 more balloons.



1 ten and 4 ones = 14



I have 2 bundles of 10 pencils each and 8 more pencils.



2 tens and 8 ones = 28



Place 25 beads and 2 glasses on the table. Ask the students to make groups of tens using a glass. There are 2 glasses of tens and 5 beads separately. Explain to the students that 2 tens represent number 20 and each separate bead represents ones. So, 2 tens and 5 ones make 25. Repeat this activity for different numbers.

Numbers 11 - 20



Bundles & Pencils	Tens	Ones	Numbers
	ubhm	₅₅ 1956	11
from https://info	1	2	12
de mulosoco	1	3	13
	1	4	14
	1:10	5	15
	1	6	16
	1	7	17
	1	8	18
	1	9	19
	2	0	20

Numbers 21 - 30



Bundles & Pencils	Tens	Ones	Numbers
	2	1	ed 21
with state of the	hubhi 2	2	22
and ded from	2	. 3	23
	2	4	24
	2	5	25
	2	6	26
	2	7	27
	2	8	28
	2	9	29
	3	0	30

Numbers 31 - 40



Bund	les	& I	Pe	nc	ils		の利益			Tens	Ones	Numbers
		,								3	55 ¹⁵⁵⁸	31
					-	nt	tp:	3:11	infol	3	2	32
	lloa	de	4	fτ ^O	,,,,		*			3	3	33
			Î				2		1	3	4	34
	1	Î	Î	Î					. •	3	5	35
	Î		Î		Î			,	1	3	6	36
		Î	Î	Î	Î		Î	14		3	7	37
		1				Î			,	3	8	38
			Î	Î		Î				3	9	39
										4	Ō	40

Numbers 41 - 50

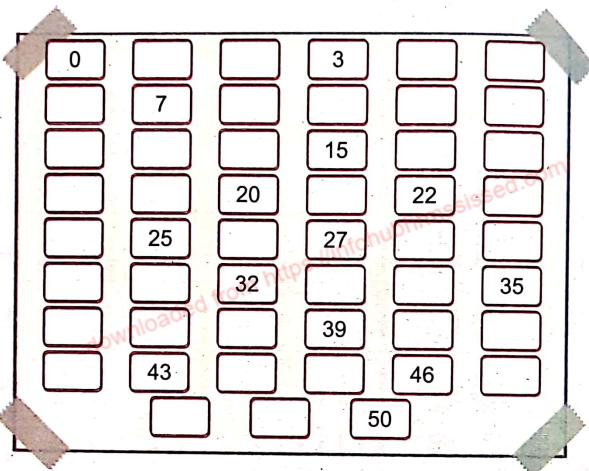


Read numbers with the help of ones and tens.

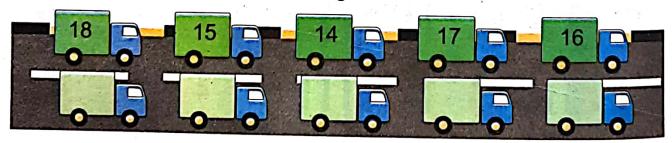
Bundles & Pencils	Tens	Ones	Numbers
	4	1	sed.41 ^{ml}
	oh4 ^{bhl}	2	42
in the second se	4	3	43
	4	4	44
	4	5	45
	4	6	46
	4	7	47
	4	8	48
	4	9	49
	5	0	50



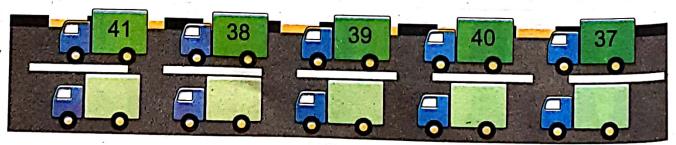
Fill in the boxes.



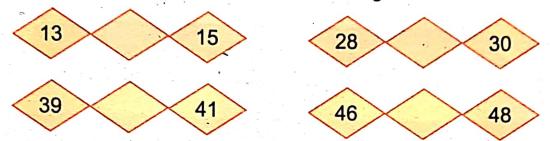
Write the numbers in ascending order.



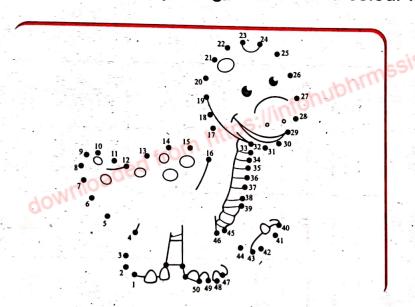
Write the numbers in descending order.



Write the number that comes between the given numbers.



Complete the picture by joining the dots and colour it.



Write the numbers with the help of ones and tens.

Bundles & Pencils	Tens	Ones	Numbers
3 1111 4	1	4	14
		-27 4	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	•	5) = - **	
	4 1		
	*		34-

Numbers 51 - 60



Read numbers with the help of ones and tens.

Bundles & Pencils	Tens	Ones	Numbers
	5	1 551556	1. ^{co} 51
with String of the string of t	ubhm 5	2	52
and the from	5	3	53
	5	4	54
	5	5	55
	5	6	56
	5	7	57
	5	8	58
	5	9	59
	6	0	60

Numbers 61 - 70



Read numbers with the help of ones and tens.

у			ip.ler "
Bundles & Pencils	Tens	Ones	Numbers
	6	1	.d.c61
	ny6	2	62
	6	3	63
	6	4	64
	6	5	65
	6	6	66
	6	7	67
	6	8	68
	6	9	69
	7	0	, 7 0

Numbers 71 - 80



Bundles & Pencils	Tens	Ones	Numbers
	7	-199	20.71 ¹
ans:Ilinfo	huphri	2	72
	7	3	73
	7	4	74
	7	5	75
	7	6	76
	7	7	77
	7	8	78
	7	9	79
	8	0	80 For Sale - PES

Numbers 81 - 90



Bundles & Pencils	Tens	Ones	Numbers
	8	-mssis	se 81
A A A A A A A A A A A A A A A A A A A	iohubi 8	2	82
	8	3	83
	8	4	84
	8	5	85
	8	6	86
	8	7	87
	8	8	88
	8	9,	89
	9,	0	90

Numbers 91 - 99



Read numbers with the help of ones and tens.

Bundles & Pencils	Tens	Ones	Numbers
	9 whim	ssigsed	91
	9	. 2	92
	9	3	93
	9	4	94
	9	5	95
	9	6	96
	9	7	97
#######	9	8	98
***********	9	9	99

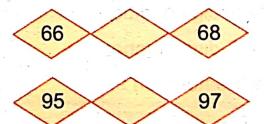


Write the numbers with the help of ones and tens.

Bundles & Pencils	Tens	Ones	Numbers
	5	9	59
			ed.com
##########		hubhrm	95 ¹⁵³

Write the number that comes between the given numbers.





Write ones and tens for the following numbers:

Tens	Ones
	4.5
, a	
5	7

Tens	Ones
6	4

Tens	Or	nes
	147	
		,
7	5	

Tens	Ones
9	9

Fill in the blanks.

5 tens and 0 ones_

6 tens and 5 ones-

9 tens and 8 ones_

7 tens and 0 ones.

9 tens and 9 ones

8 tens and 1 one

Comparing Numbers

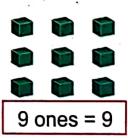


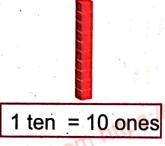
I have two different number cards.

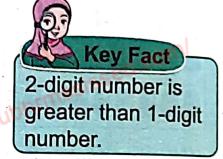
Can you help me to choose the number card with greater number?

10 9

Let's compare 9 and 10.



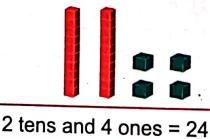


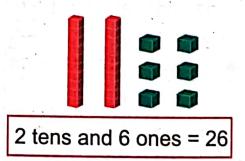


- g is the 1-digit number.
- 10 is the 2-digit number.

So, 10 is greater than 9.

Let's compare 24 and 26.







In 24 and 26, both digits at tens place are the same. Therefore, we compare the digits at the ones places.

6 is greater than 4.

So, 26 is greater than 24.



Provide different number of objects to the students. Ask them to compare the objects and tell which objects are smaller in number and which number is greater?



Write "smaller than" or "greater than" in the blanks.

5 is ______ 6.

21 is ______18.

29 is ______8 = ____34.

80 is ______70.

À 88 is ____ 92.



Which number is greater? 30 or 39



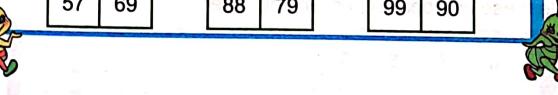
loaded from https: Compare and colour the box with greater number.

9

57 69 19 21

88 79 43 33

99 90



Compare and colour the box with smaller number.

17 23

68 70 35 46

89 86 53 51

97 91



Ordering Numbers



Let's arrange the numbers 47, 33, 54 in ascending and descending order.

> Tens Ones

4 tens and 7 ones =

3 tens and 3 ones = 3

5 tens and 4 ones = 5

3 tens are smaller than 4 tens and 5 tens.

So, 33 is the smallest number.

Similarly,

5 tens are greater than 3 tens and 4 tens.

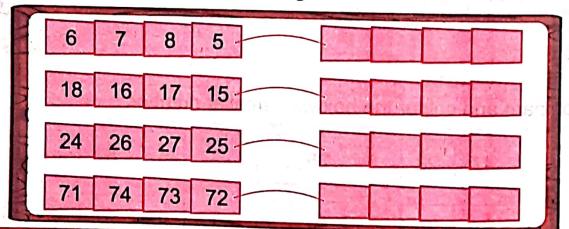
So, 54 is the greatest number.

Ascending order: 33, 47, 54

Descending order: 54, 47, 33



Write these numbers in descending order.





Give different number cards to the students and ask them to work in groups. Ask them to compare the numbers and arrange them in ascending and descending order.

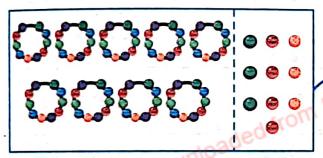
Concept of Hundred "100"



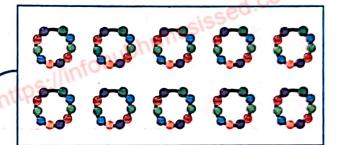
When we add 1 to 99, what do we get?

When we add 1 to 99, it makes 100.





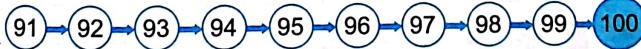
9 tens and 10 ones = 100



10 tens = 100



One hundred = 100



100 comes after 99.



Try Yourself

Which number comes before 100?



Key Fact

- 99 is the greatest 2-digit number.
- First 3-digit number is 100.



Give beads of different colours to the students and instruct them to make ten groups of ten beads. Ask them how many tens are there in one hundred?

Count in Tens

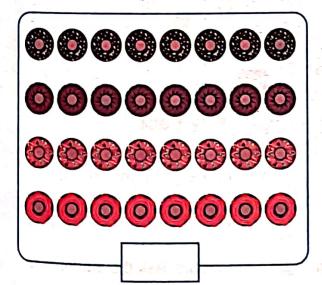
	Bur	ndles	& Pe	ncils					Numbers
	:	.0	46		To Au			,	1 ten = 10
	- 4					-	hubt	ımsst	2 tens = 20
		9	- 4 5	rom	nttps	llinto	9		3 tens = 30
			dec				Ole y	enu D	4 tens = 40
									5 tens = 50
					1 20			7 15.	6 tens = 60
						(1)	jul L	- {	7 tens = 70
								141	8 tens = 80
								gri Estados	9 tens = 90
									10 tens = 100

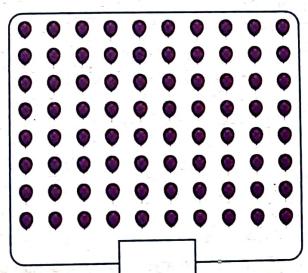


Write the missing numbers in the given boxes.

	2	rtg L	4. 19-76	5		7	au iu La E	9	· ·
11					16		18		20
	22			25			28		
	32				36			5)55E(40
41	42		1000 10 ¹ 111111111111111111111111111111	45	- 4n	47	48		
	52			-om	56	2 22	58		60
61		lnu-	paded	65		J.A		69	
- 1	72	gov.	-	75			78	79	
. Chepha	82	. ÷	84	\$ -1		87			90
91	-		·4:		96		98	. 1 2 *	

Count the objects and write the correct number in the box.





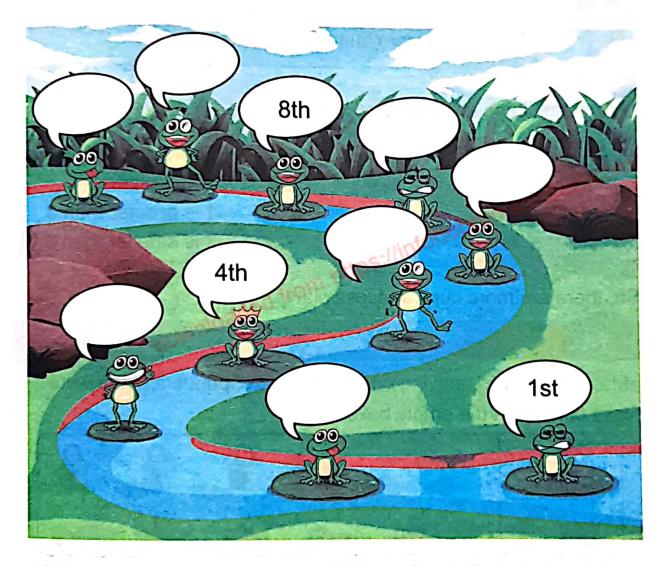
Ordinal Numbers

In the given picture, children are running a race.

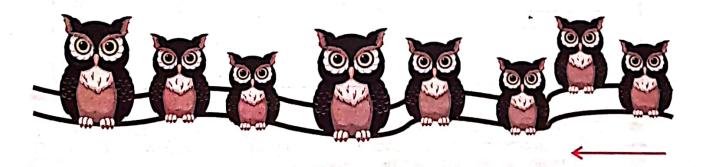
With the help of ordinal numbers, we can tell the position of each child.



Write the ordinal number for each frog.



Encircle the owls that are at 2nd, 6th and 8th positions (from right to left).

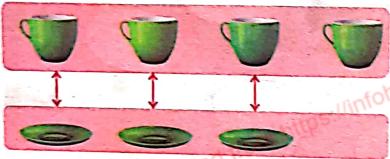


One-to-One Correspondence



What is more in number, cups or plates?

Let's match cups and plates below.



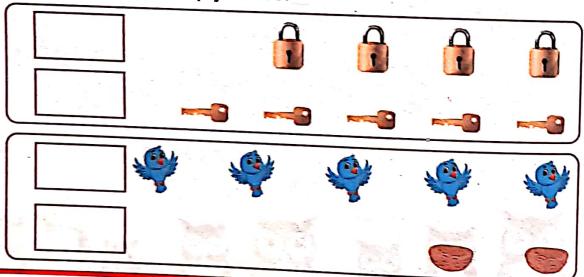
There are 4 cups and 3 plates.
4 is greater than 3.

3 is smaller than 4.

So, there are more cups and less plates.



Match the objects having one-to-one correspondence and write less or more in the empty boxes.





Give the students different groups of objects. Ask them to match these objects in one-to-one correspondence and tell which group has more objects and which one has less objects?

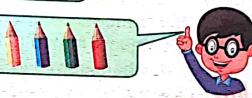
Comparing Objects



I have 4 pencils.



I have 6 pencils.



We can compare the number of pencils by counting them.



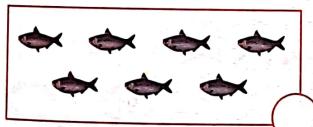


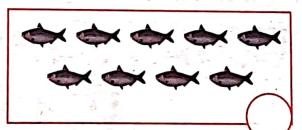
6 pencils are greater than 4 pencils.

So, 6 is 2 more than 4.

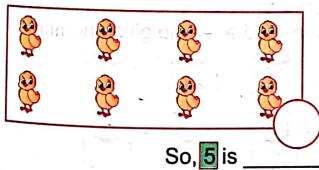


Tick (✓) the box which has more objects and fill in the blanks.





So, 9 is _____ more than 7.





less than 8.

I have learnt to:

- read and write numbers up to 9 in numerals and words.
- read and write numbers in numerals up to 100.
- count forward and backward from 0 to 99.
- identify the numbers before / after and between the given numbers from 0 to 99.
- compare numbers from 0 to 99 and arrange them in ascending and descending order.
- identify the place value of a specific digit in 2-digit numbers.
- count in tens and recognize 100 as a 3-digit number.
- identify the position of objects using ordinal numbers.
- identify more or less by comparing the number of objects in two groups.

Vocabulary

- Zero
- Forward counting
- Backward counting
- Place value
- Ones
- Tens
- Digit
- Ascending order

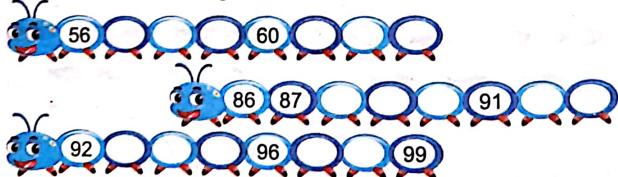
ed.com

- Descending order
- Ordinal numbers

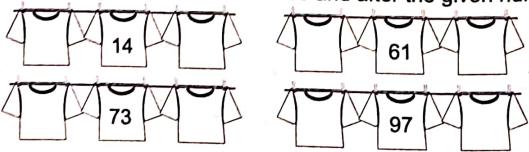
Review Exercise



1. Write the correct missing numbers.



2. Write the numbers that come before and after the given number.



3. Write the number that comes between the given numbers.

23 25

43

45

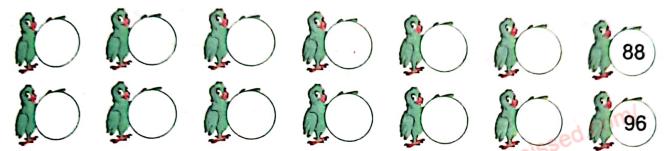
36

38

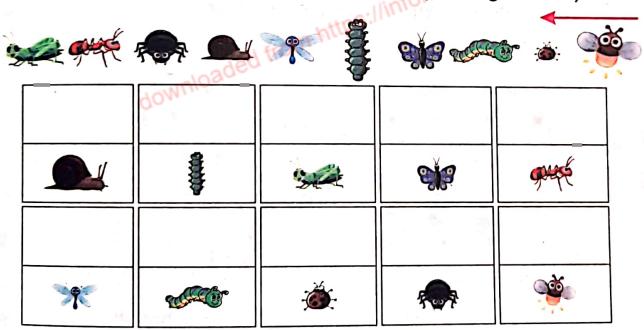
98

100

4. Count backward and write the correct number.



5. Write the ordinal number for each animal. (from right to left).



6. Write 'smaller than' or 'greater than' in the blanks.

12 is _____ 18.

99 is _____ 90.

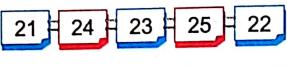
40 is _____ 41.

70 is ______ 60.

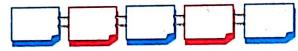
23 is _____ 32.

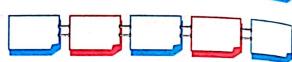
61 is ______62.

7. Write the following numbers in ascending order:

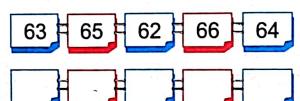


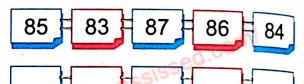






8. Write the following numbers in descending order:





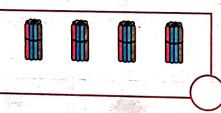
9. Count the objects, write the correct numbers and fill in the blanks:

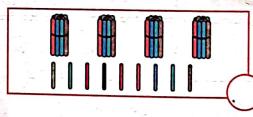




So, 20 is ___

less than 24.





So, 49 is

more than 40.

10. Read the instructions and write the correct number.

I am the smallest 2-digit number.

I have 0 ones and 1 ten.

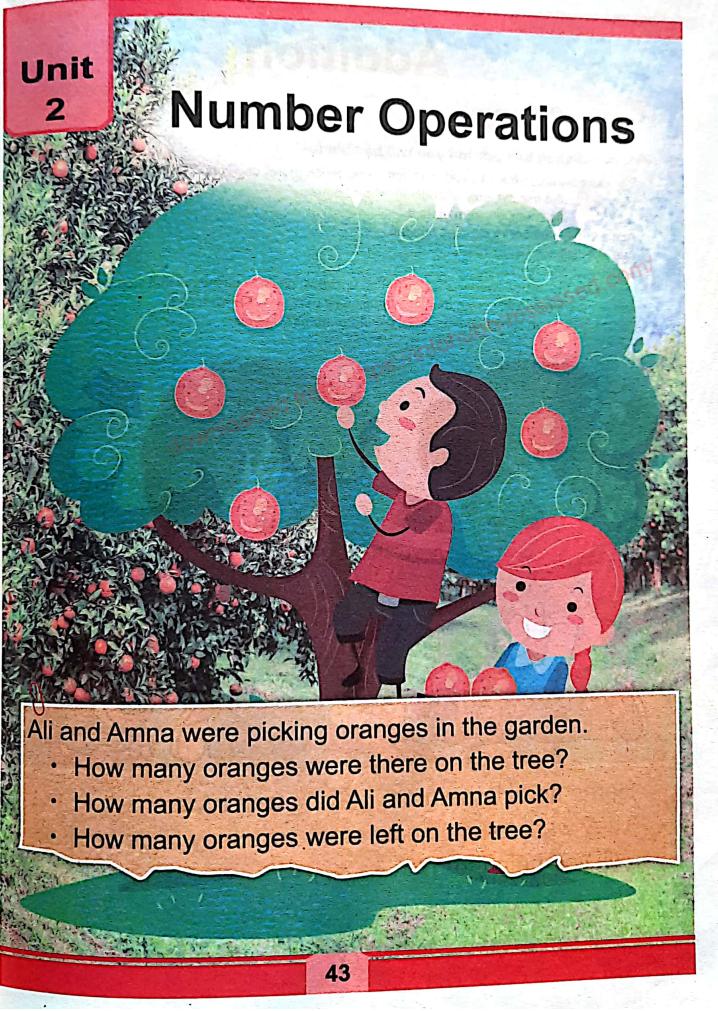
Tell me, who am I?

I am the greatest 2-digit number.

I have 9 ones and 9 tens.

100 comes after me.

Tell me, who am 1?



Addition

Learning Outcomes

After completing this portion you will be able to:

- Compare numbers from 1 to 20 to identify "how much more" one is from another.
- Recognize and use symbols of addition "+" and equality" ="
- Add two, 1-digit numbers sum up to 9.
- Add a 2-digit number to a 1-digit number.
- Add a 2-digit number to 10s.
- · Add two, 2-digit numbers.
- Recognize the use of symbol to represent an unknown (include questions that sum up to 20).
- Add numbers (up to 20) using mental strategies by using real life examples.
- Construct addition sentence from given picture or number stories.



Harris and Hareem are playing with toys.

They want to know how many toys they have in total.

Will you help them?

How Much More

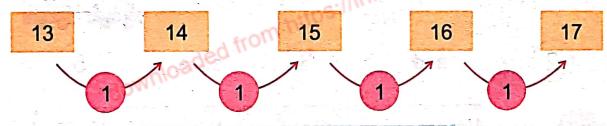


I have two different number cards.

Tell! which number is how much greater than the other?

Let's count forward from 13 to 17.

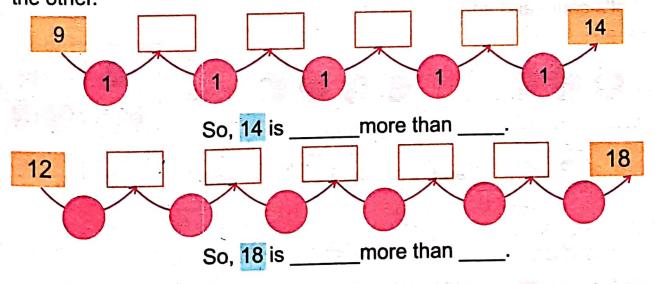




17 is 4 steps forward from 13.

So, 17 is 4 more than 13.

Compare the numbers and write how much a number is more than the other.



Addition of 1-digit Numbers



I have 2 cars in my hands and 3 cars on the table.







(2)

down and

(3)

equal

5



We can also write it with the symbols of "+" (plus) and "=" (equal).

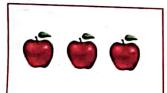


+

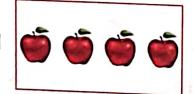
3



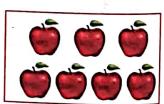
Let's count and add.



and



equal



3

and

4

equal



3

+

4

-

7

We can also write it as:















Key Fact

The "+" symbol is used for the addition process.



and



equal



and

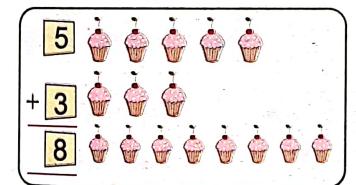


equal



waloadec

6



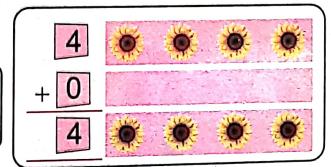
ATTI ATTI ATTI ATTI ATTI





Key Fact

When 0 is added to a number, the sum is the number itself.

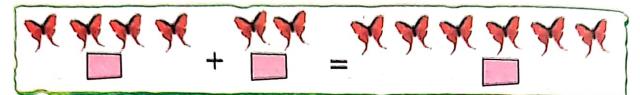


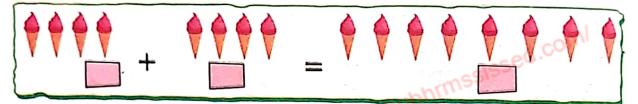


Ask the students to add 1- digit numbers by using number cards and meros symbols (+, =).



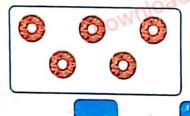
Count and add.



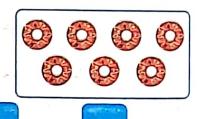


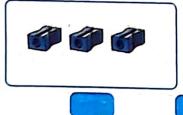
Count and add. Then use the symbol '+' and '=' and write the

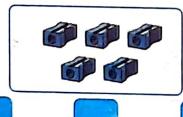
correct answer.

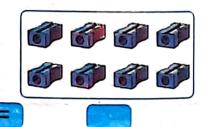




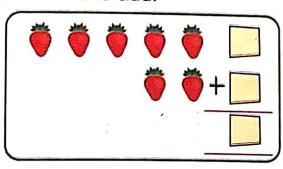


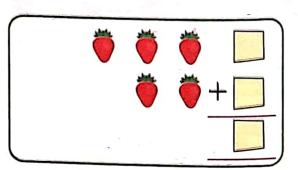


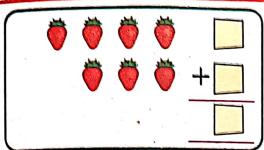


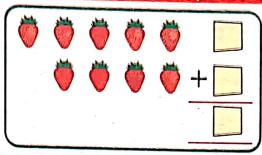


Count and add.

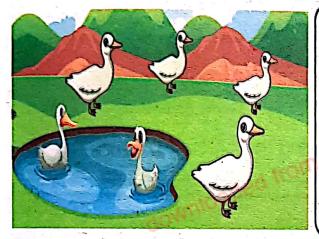








Look at the picture and fill in the blanks.

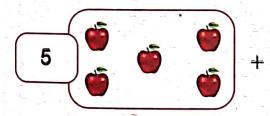


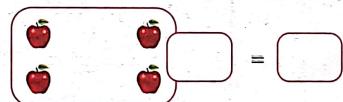
____ ducks are in the water and ____ ducks are out of

the water.

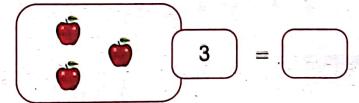
There are ____ ducks altogether.

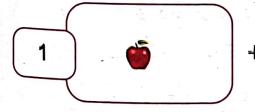
Write the number in the boxes.

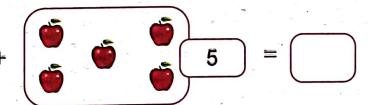




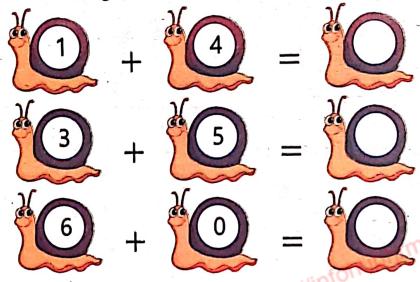




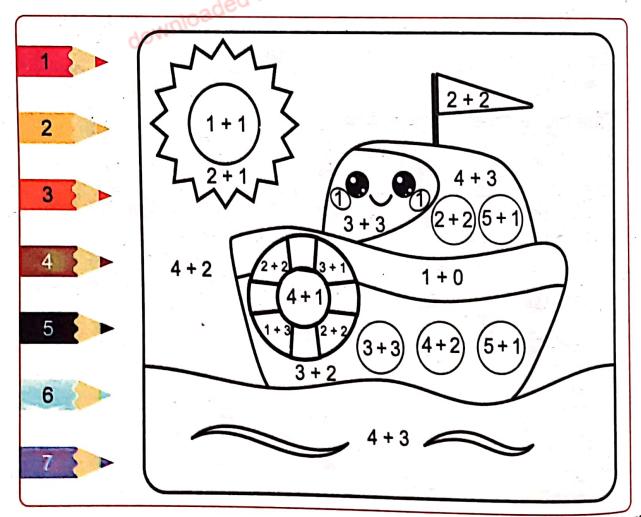




Add the following:



Add and then colour the picture using the colour key given below.

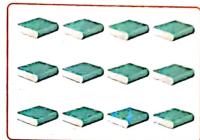


Addition of 2-digit Number and 1-digit Number

Attiya had 12 storybooks. Her mother gave her 3 more books.

How many storybooks did she have altogether?







To find the total number of books, we need to add 12 and 3. Let's count forward 3 steps from 12.

12 13 14 15



We can add numbers by writing them in ones and tens.

Tens Ones 12 3

Tens Ones Storybooks Attiya had 2 Mother gave her 3

Total books

Step 2: Add the tens. 1 ten + 0 tens = 1 ten Step 1: Add the ones. 2 ones + 3 ones = 5 ones

So, Attiya had 15 storybooks altogether.



Draw a place value chart on the writing board and write different 1-digit numbers on it. Now ask the students to add these numbers.



Solve the following:



Zara has 22 red beads and 7 blue beads. How many beads does she have in total now?

		т (
Red beads			
Blue beads	=+	x, [
Total beads			

There were 61 almonds in a jar. All put 8 more almonds in the jar. How many almonds are there in the jar altogether?

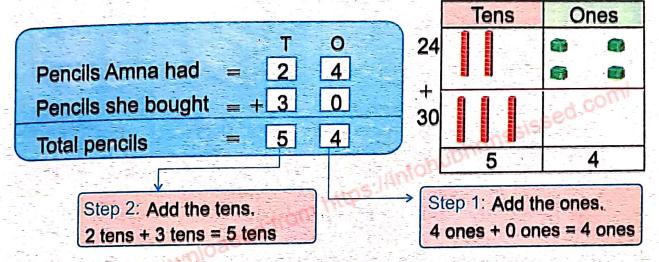
		Т	0
Almonds in the jar	=		
More almonds	=+		
Total almonds	=		



Addition of 2-digit Numbers

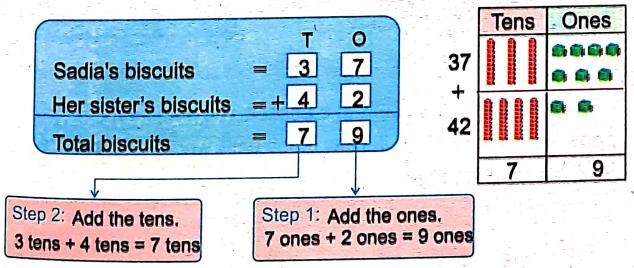
Amna had 24 pencils. She bought 30 more pencils. Find the total number of pencils.





So, Amna had 54 pencils altogether.

Sadia made 37 biscuits and her sister made 42 biscuits. How many biscuits did both of them make altogether?



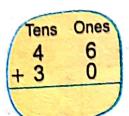
So, Sadia and her sister made 79 biscuits altogether.



Draw a place value chart on the writing board and write different tens and 2-digit numbers on it. Now ask the students to add these numbers.

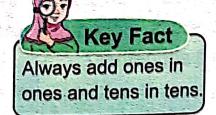


Solve the following:



Irtaza got Rs 40 on Eid and Mustafa got Rs 50. How much Eidi did both of them get altogether?

		T (
Irtaza's Eidi	. [
Mustafa's Eidi	= + [
Total Eidi =	=		



There were 65 green balls in a basket. The shopkeeper put another 14 red balls in it. How many balls were there in the basket altogether?

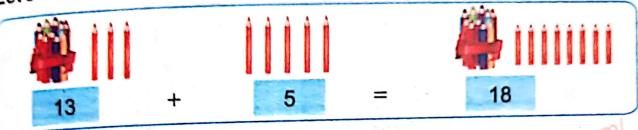
		т с	
Green balls	= [
Red balls	=+[
Total balls	= [



Try Yourself
Add 23 and 45.

Find out the Unknown Numbers

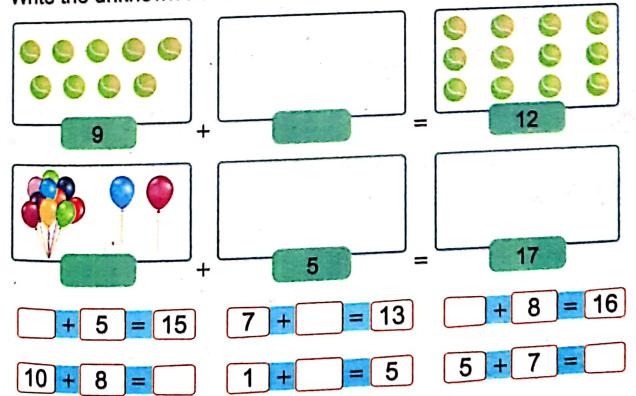
Let's count and add.



Let's add.



Write the unknown number and fill in the boxes.



Addition using Mental Strategies

Ahmed had Rs 13. His father gave him Rs 6 more. How much amount did he have altogether?



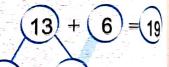


We can also find the total amount by using mental strategy.

Step 1:

Separate tens and ones.





10

Step 2:

Add the ones.

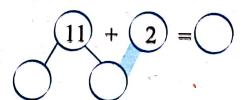
Step 3:

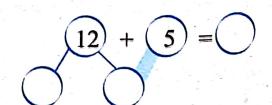
Now, add 10 to the result that is obtained to step 2.

So, Ahmed had Rs 19 altogether.



Add the following numbers by using mental strategies:



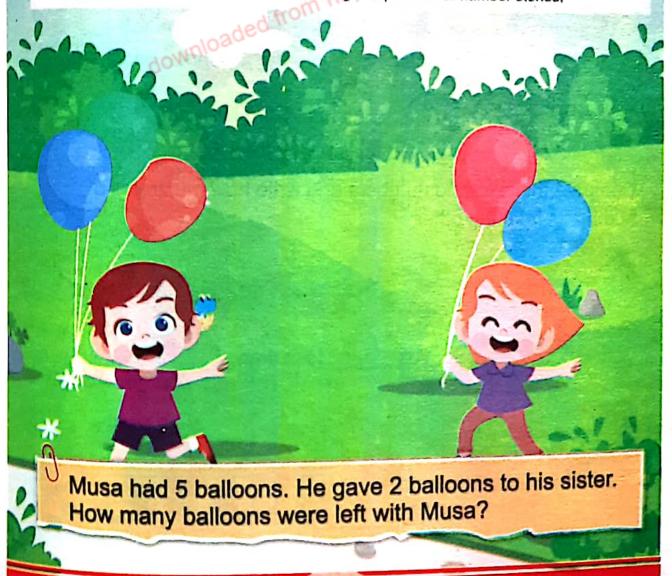


Subtraction

Learning Outcomes

After completing this portion, you will be able to:

- . Compare numbers from 1- 20 and find "how much less" one is than the other?
- Recognize subtraction as a difference and take away, and use the symbol "-".
- Subtract 1-digit number from1-digit number.
- Subtract 1- digit number from 2-digit number.
- Subtract tens from 2-digit number.
- · Subtract 2-digit number from 2-digit number (Which result in positive).
- Recognize the use of symbol to represent an unknown.
- Subtract numbers (up to 20) using mental strategies involving real life situations.
- · Construct subtraction sentences from the given pictures or number stories.



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How Much Less

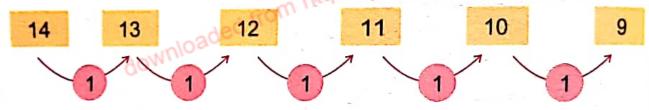


I have two different number cards.

TellI which number is how much smaller than the other?



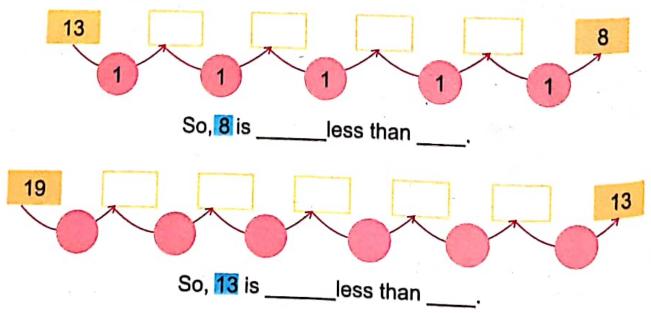
Let's count backward from 14 to 9.



9 is 5 steps backward from 14.

So, 9 is 5 less than 14.

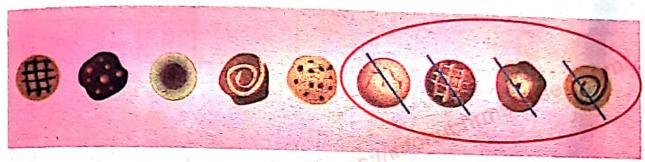
Compare the following numbers and write how much less a number is from the other:



Subtraction of 1-digit Numbers



Haleema made 9 biscuits. I took 4 biscuits. How many biscuits were left with Haleema?



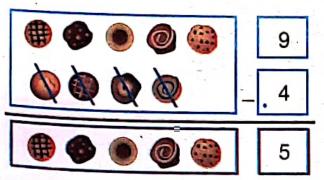


To find out the remaining biscuits, take out 4 biscuits and count the remaining biscuits.

- 9 minus 4 equal 5
- 9 4 = 5

So, 5 biscuits were let, with Haleema.

We can also write it as:





The "-" symbol is used for the subtraction process.

.com

Let's count and subtract.



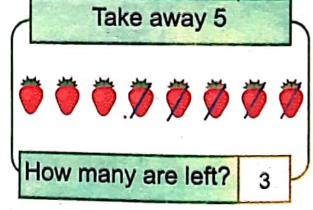
7 minus 4 equal 3

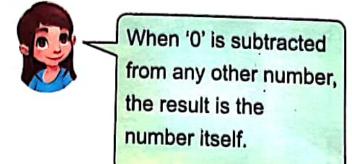
7 - 4 = 3

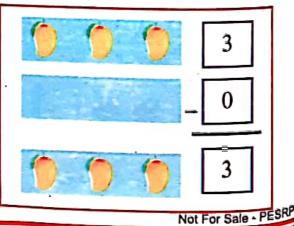
2

Take away 2

How many are left? 2



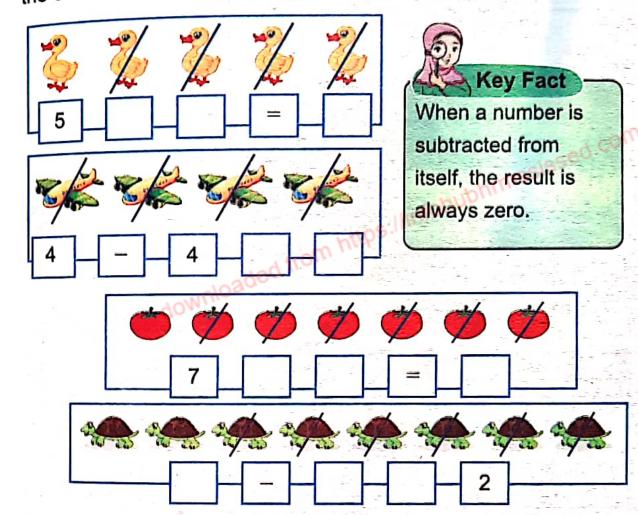




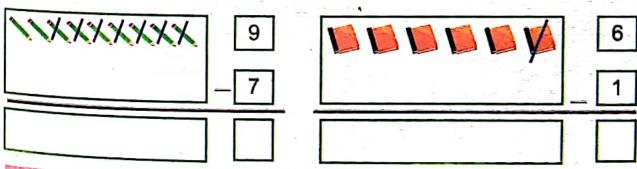
60



Count and subtract. Then use the symbol '-' and '=' and write the correct answer.

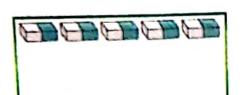


Subtract.





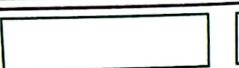
Ask the students to subtract 1-digit numbers using number and symbol cards.





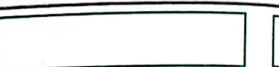








4



Look at the picture and fill in the blanks.

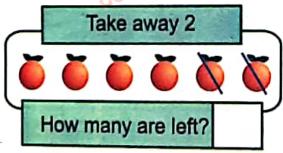
___birds were sitting on the tree.

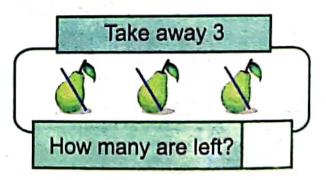
__birds flew away.

birds are left on the tree.



Write the number in the boxes.





Solve the following:

3 - 1

8 - 5

Subtraction of 1-digit Number from 2-digit Number

Hooria has 16 blocks.

She gives 5 blocks to her brother.

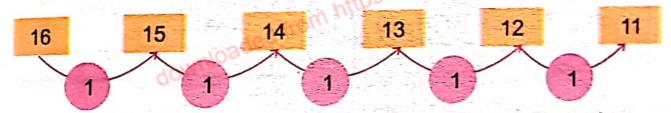
How many blocks are left with Hooria?



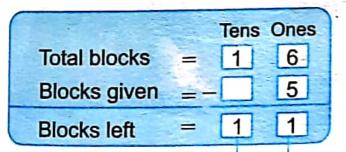




To find out the remaining blocks, we need to subtract 5 from 16. Let's count 5 steps back from 16.



We can subtract numbers by writing them in tens and ones.



Tens	Ones
	9 9 9 9 9 9
-1	1

Step 2: Subtract tens from tens.

1 ten - 0 tens = 1 ten

Step 1: Subtract ones from ones. 6 ones – 5 ones = 1 one

Now, Hooria has 11 blocks.



Draw a place value chart on the writing board and write different 1-digit and 2-digit numbers on it. Now ask the students to find out the difference between them.



Solve the following:

Tens 2	Ones 6
	4

Tens 5	Ones 8
	6

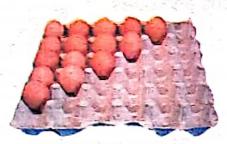
Tens	Ones
6	7
	2

Tens 7	Ones
-	4
-od.W	

Tens	Ones
6	8
	6

There were 15 eggs in a tray. Hareem's mother used 5 eggs to bake a cake. How many eggs were left in the tray?

	Tens Ones
Total eggs	= -
Eggs used	=
Eggs left	= -



Umer had 18 strawberries. He ate 6 strawberries. How many strawberries were left?

Umer had strawberries= Umer ate =-	Tens	Ones
Strawberries left =		

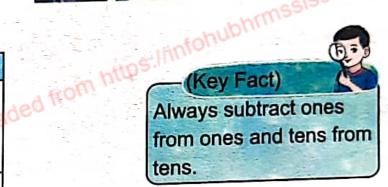


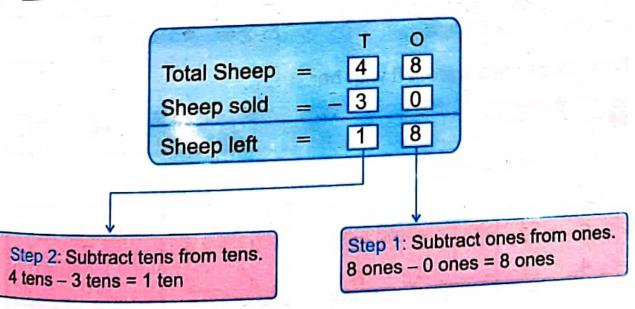
Subtraction of 2-digit Number from 2-digit Number

One shepherd had 48 sheep. 30 sheep were sold. How many sheep were left?



Tens	Ones
	0000
1	8





Now, the shepherd had 18 sheep.



Draw a place value chart on the writing board and write different 2-digit numbers on it. Now ask the students to subtract these numbers.

Mathematics-1

Zara had 85 candies. She distributed 64 candies among her friends. How many candies were left?



Tens	Ones
	* * *
2	1

		T		0	
Total candies	=	8	att	5	
Candies distributed	. 	6		4	
Candies left		2	Story (S)	1	

Try Yourself

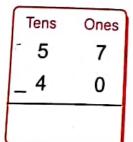
Find the difference between 45 and 23.

Step 2: Subtract tens from tens. 8 tens – 6 tens = 2 tens Step 1: Subtract ones from ones. 5 ones – 4 ones = 1 one

Now, 21 candies were left with her.



Solve the following:



Tens	Once
_	Ones
6	8
4	6
	0



Draw a place value chart on the writing board and write different 2-digit numbers on it. Now ask the students to subtract these numbers.

Tens 8	Ones 4
<u> </u>	4

Tens 9	Ones
– 7	0
1.00	

Tens 6	Ones 2
- 2	2

Tens 7	Ones 2
- 6	2
5	

Tens 7	Ones 9
- 4	5

Tens 9	Ones 6
- 3	0
	-

Tens 8	Ones 8
- 5	6

Tens 9	Ones 9
- 8	ed200
US2,	

Hamza had 72 seashells. He gave 32 seashells to his sister Hina. How many seashells were left with him?



There are 66 pages in a storybook. Sara has read 34 pages. How many pages were left?



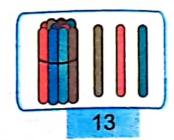
Ahmed had Rs 70. He gave Rs 60 to his brother Fahad. How many rupees are left?



Find out the Unknown Numbers

Let's count and subtract.





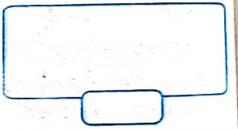
Let's subtract.

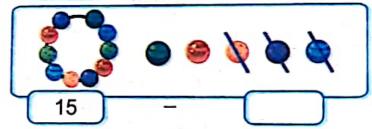


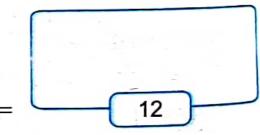
Write the unknown number and fill in the boxes.



9 - 4









Use number line to find out the unknown numbers and explain the concept with different examples on the writing board.

Subtraction using Mental Strategies

Arham had 15 chocolates. He ate 3 chocolates.

How many chocolates were left?





We can also find out the remaining chocolates by mental strategy.

Step 1:

Separate tens and ones.

Step 2:

Subtract the ones.

$$15 - 3 = 12$$

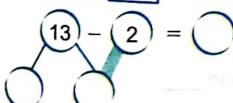
Step 3:

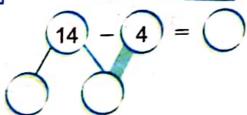
Now, add 10 to the result that is obtained in step 2.

Now, 12 chocolates were left with him.



Subtract the following numbers using mental strategies:





I have learnt to:

- "how much more" or "how much less" one number is than the other.
- add and subtract 1-digit numbers.
- add and subtract 2-digit numbers.
- subtract tens from 2-digit numbers.
- recognize the symbol to find an unknown number.
- add and subtract numbers (up to 20) using mental strategies.

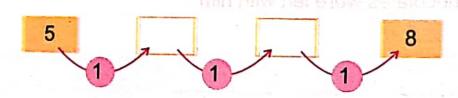
Vocabulary

- Addition
- Sum
- Equal
- Total
- Subtraction
- Left
- Difference
- Take away

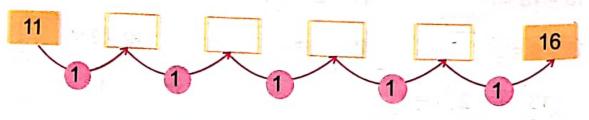
Review Exercise



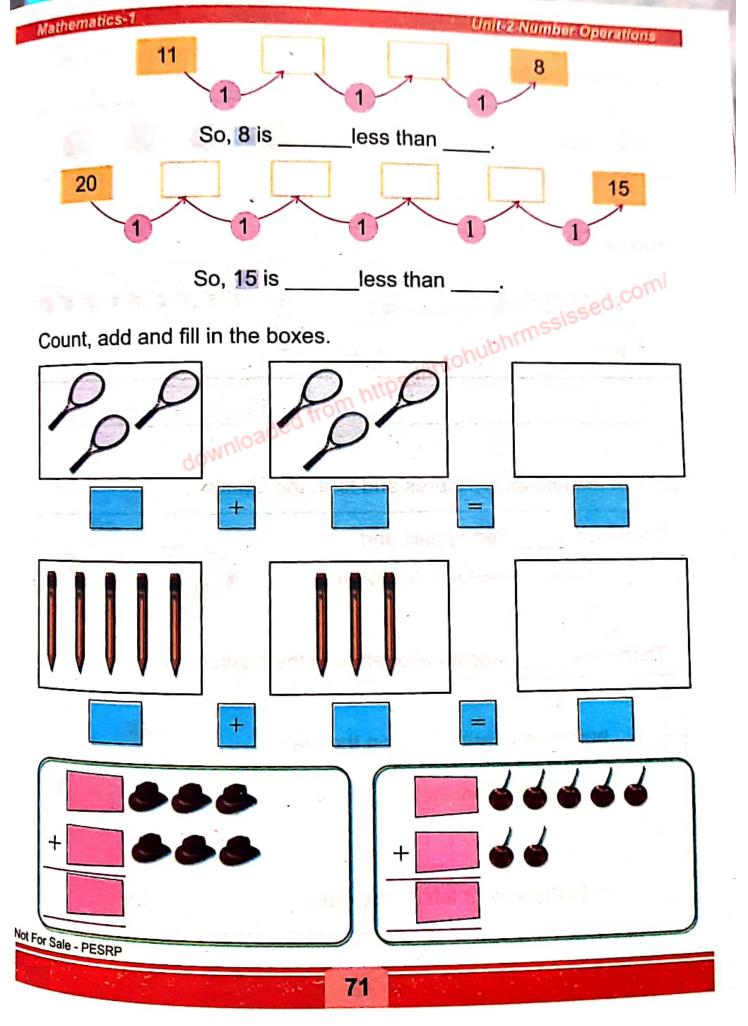
Compare the following numbers and fill in the blanks:



So, 8 is ____more than ____.

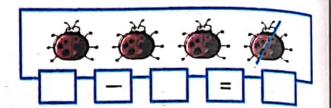


So, 16 is _____more than ____.

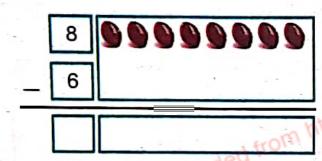


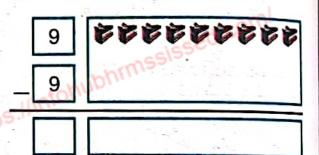
Count and subtract.





Subtract.





Look at the following pictures and fill in the blanks.

There are ____ red apples and

green apples in the basket.





There are ____ apples altogether in the basket.

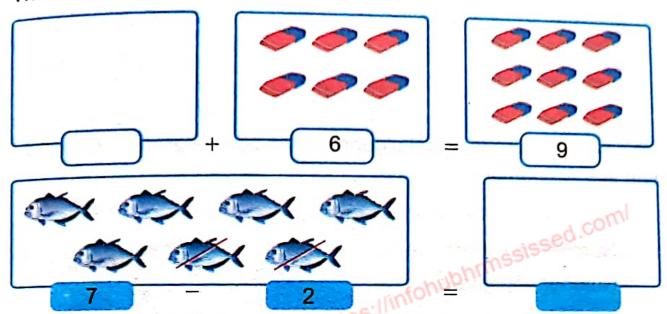
butterflies were sitting on the plant.

butterflies flew away.

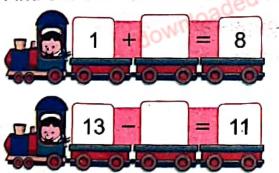
butterflies were left on the plant.

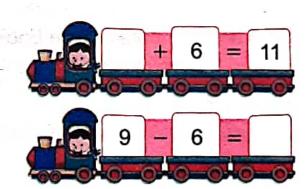


Write the unknown number and fill in the boxes.

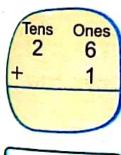


Find out the unknown number.





Solve the following:

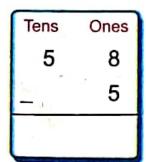


Tens 7	Ones 7
+	2

(T	ens 3	Ones 1
+	4	6

1	Tens 6	Ones 9
+	1	0
	Page.	

Tens	Ones
3	6
-	6



Tens	Ones
8	9
_ 6	0

	_	_
Tens		Ones
9	4	3
_ 8		1
		10
		-5

The second secon	
Tens	Ones
7	0
_ 5	0
	-1

Te	ns 6 5	Ones 4 2

Iram saw 15 parrots and 3 pigeons in the zoo. How many birds did she see altogether?



Sara has two books. One book has 56 pages and the other has 42 pages. If Sara reads both books, how many pages will she read altogether?



There are 45 students in Zara's class. If 23 of them are boys, how many girls are there?



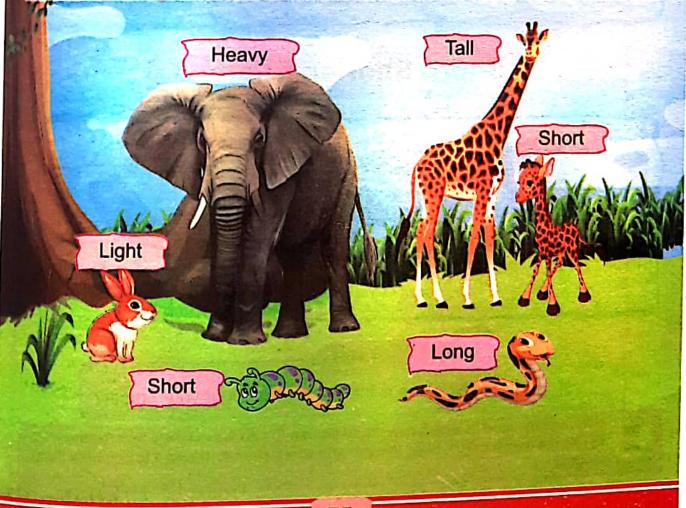
Unit

Measurement

Learning Outcomes

After completing this unit, you will be able to:

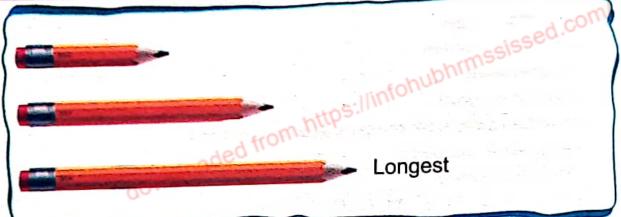
- Compare the heights/lengths of two or more objects using the following terms nfohubhrmssissed.com/
 - Long, longer, longest
 - Short, shorter, shortest
 - Tall, taller, tallest
 - High, higher, highest
- Compare the masses of two or more objects using the terms:
 - Heavy, heavier, heaviest
 - Light, lighter, lightest



Long, Longer, Longest



There are a few things in my bag. Let's look at them and compare their lengths.



Short, Shorter, Shortest







Shortest



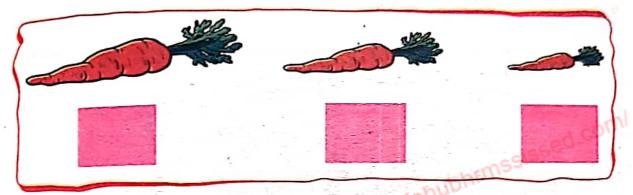
Which one is longer, your book or your eraser?



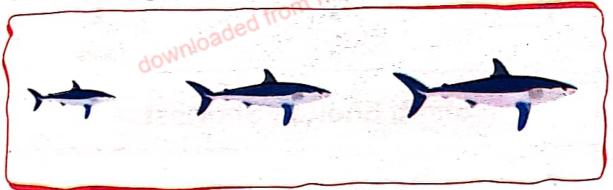
Use ribbons, rope or wooden sticks to explain the above concept. Ask the students to use the terms long, longer, longest and short, shorter, shortest to compare their lengths.



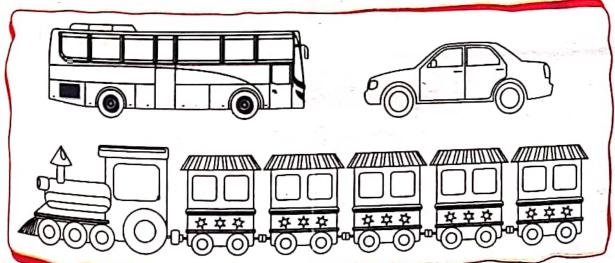
Tick (✓) the shortest object and cross (×) the longest object.



Encircle the longest object and cross (x) the shortest object.



Colour the shortest object blue and the longest object red.



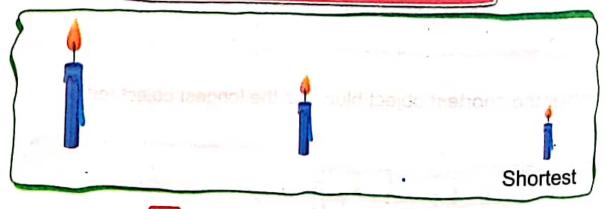
Tall, Taller, Tallest



Nida wants to know which tree is the tallest? Let's help her.



Short, Shorter, Shortest





Who is the tallest student in your class?



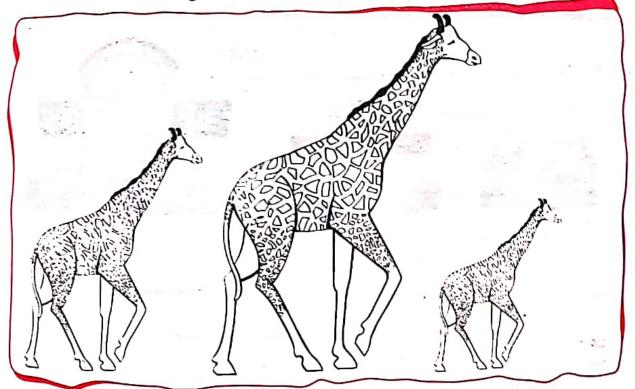
Paste a chart paper with 3 columns on the writing board. Label the first column as 'the shortest' and the last column as 'the tallest'. Distribute picture cards of some short and tall objects among the students. Ask them to paste these picture cards in the correct order.



Tick (✓) the shortest plant.



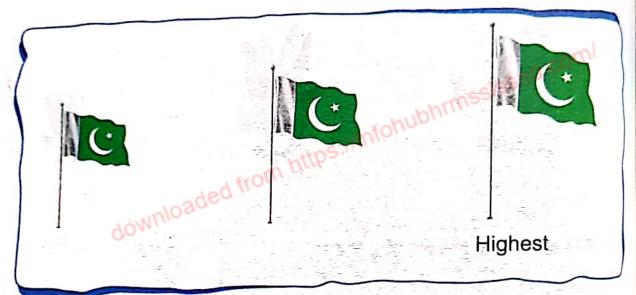
Colour the tallest giraffe.



High, Higher, Highest



Ahmed wants to know which national flag is the highest? Let's help him.



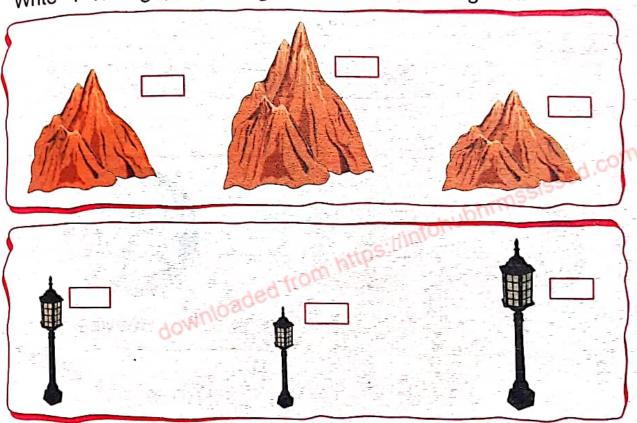




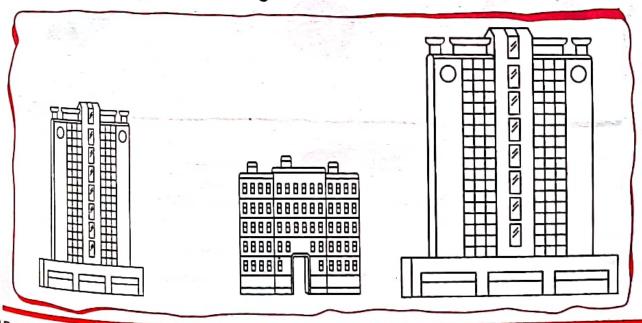
Take the students for a walk outside the classroom. Show them some poles, pillars, building with different heights and use the terms high, higher and highest for comparison.



Write "1" for high, "2" for higher and "3" for the highest.



Colour the highest building.



Heavy, Heavier, Heaviest



I have some fruits and vegetables in my basket.

Let's look at them and compare their masses.



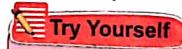
Light, Lighter, Lighest







Lightest



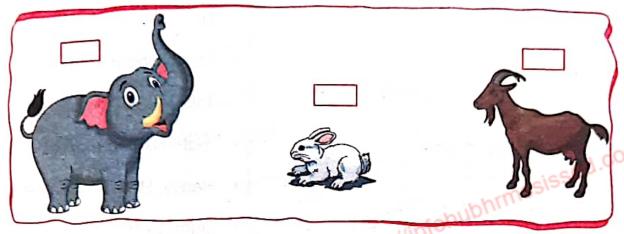
Which one is heavier, a jug or a glass?



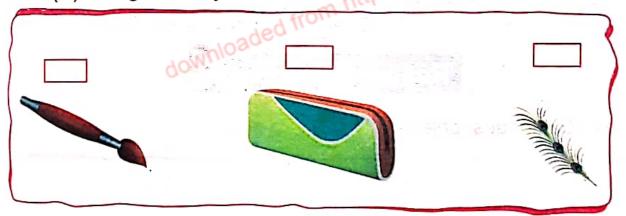
Place some items of different masses (pencils, erasers and copies, water bottles, bags, etc.) on the table. Ask the students to feel them by holding each item in their hands and tell which is lighter and which is heavier?

Not For Sale - Pt

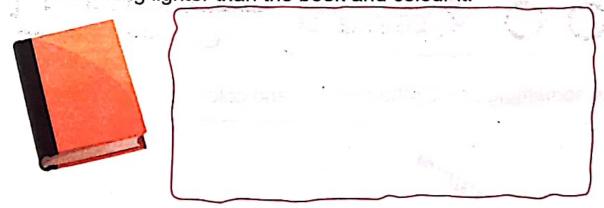
Tick (√) the heaviest object and cross (×) the lightest object.



Tick (✓) the lightest object.



Draw something lighter than the book and colour it.





Explain to the students that the term "weight" is used to find the mass of objects in daily life.

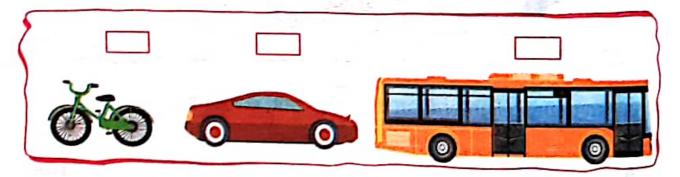
- I have learnt to: 👌
- compare the heights/lengths of two or more objects using the following terms:
 - · long, longer, longest
 - short, shorter, shortest
 - · tall, taller, tallest
 - · high, higher, highest
- compare the mass of two or more objects using the terms:
 - · heavy, heavier, heaviest
 - light, lighter, lightest

Vocabulary

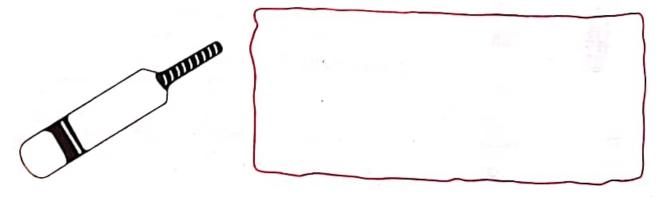
- Long, Longer, Longest
- Short, Shorter, Shortest
- Tall, Taller, Tallest
- High, Higher, Highest
- Heavy, Heavier, Heaviest
- Light, Lighter, Lightest

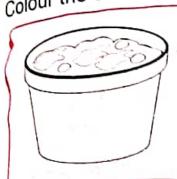
Review Exercise

Tick (\checkmark) the longest object.



Draw something shorter than the bat and colour it.









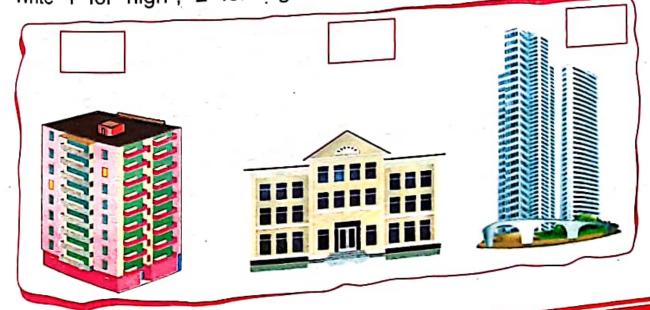
Draw trees in the given boxes and colour them.





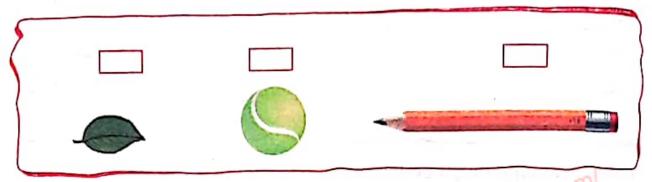


Write "1" for "high", "2" for "higher" and "3" for the "highest".

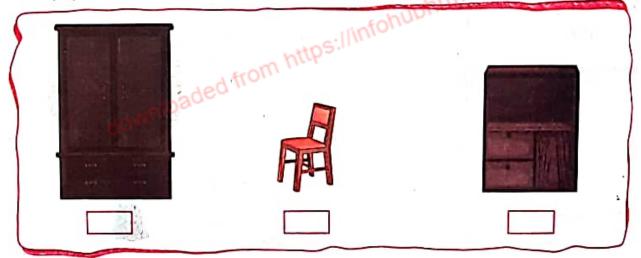


Mathematics-1 Unit-3 Measurement

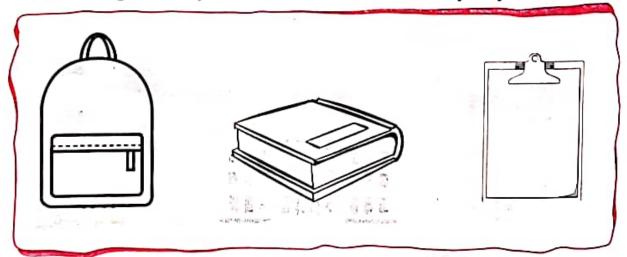
Compare the objects and write "1" for "light", "2" for "lighter" and "3" for "lightest".



Tick (✓) the heaviest object.



Colour the lightest object blue and the heaviest object yellow.



Unit 4

Money

Learning Outcomes

After completing this unit, you will be able to:

- · Identify Pakistani currency coins (Re 1 and Rs 2, 5, 10).
- · Identify Pakistani currency notes (Rs 10, 20, 50 and 100).
- Match a group of coins/notes to an equivalent group of different denominations.
- Add and subtract money using the prices of objects transactions, e.g.toys.
- Recognize money change (up to 100) to its equivalent/denominations.
- Determine if enough money is available to make a purchase (up to 100).
- Add different combinations of coins/notes (to make sum up to 100).



Can you tell how will Ali and Hamna buy toys?

Pakistani Coins and Notes



When we go for shopping, we need money to buy things. Money is in the form of coins or notes.



Key Fact

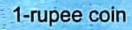
Each coin and note has two sides.



Let's look at Pakistani coins and read their values.











2-rupee coin





5-rupee coin





10-rupee coin



Let's look at Pakistani notes and read their values.





10-rupee note

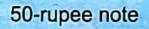








20-rupee note







100-rupee note



Key Fact

Coins are made of metal while notes are made of paper.

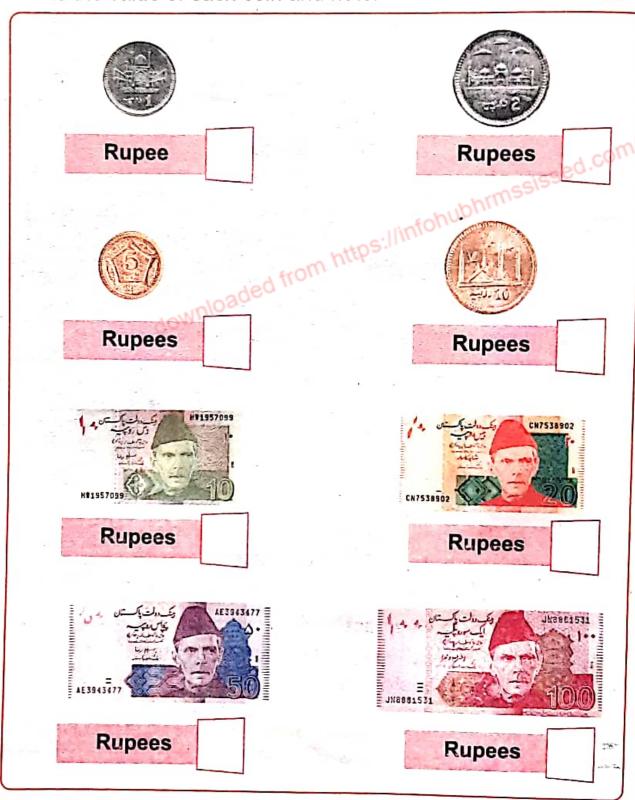


Show different Pakistani coins and notes to the students and explain the importance of using money in daily life. Tell them about the values of coins and notes.

Unit-4 Money



Write the value of each coin and note.



Changing Money



We can exchange one high value coin for other lower value coins.









One 2-rupee coin = Two 1-rupee coins

Rs 2 = Re 1 + Re 1



Key Fact

The unit of money is "R\$".







One 5-rupee coin = Five 1-rupee coins

Rs 5 = Re 1 + Re 1 + Re 1 + Re 1 + Re 1









One 10-rupee coin = Two 5-rupee coins

Rs 10 = Rs 5 + Rs 5



We can exchange one high value note for other lower value coins and notes.



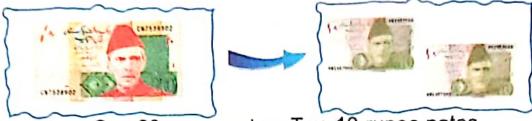




One 10-rupee note = Five 2-rupee coins

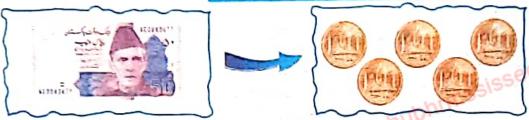
Rs 10 = Rs 2 + Rs 2 + Rs 2 + Rs 2 + Rs 2

Mathematics-1 Unit-4 Money



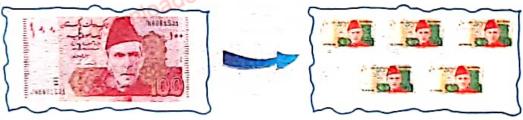
One 20-rupee note = Two 10-rupee notes

Rs 20 = Rs 10 + Rs 10



One 50-rupee note = Five 10-rupee coins

Rs 50 = Rs 10 + Rs 10 + Rs 10 + Rs 10 + Rs 10

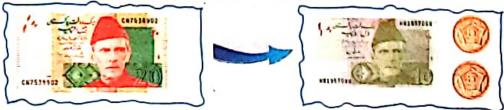


One 100-rupee note = Five 20-rupee notes

Rs 100 = Rs 20 + Rs 20 + Rs 20 + Rs 20 + Rs 20



We can also change any amount of money for different combinations of coins and notes.



One 20-rupee note = One 10-rupee note and two 5-rupee coins

Rs 20 = Rs 10 + Rs 5 + Rs 5



Use real money / paper money (coins and notes) and tell the students about different ways of exchanging money with its equivalent denominations.









One 50-rupee note = Two 20-rupee notes and one 10-rupee coin

Rs 50 = Rs 20 + Rs 20 + Rs 10







One 100-rupee note = One 50-rupee note, two 20-rupee notes and one 10-rupee coin

Rs 100 = Rs 50 + Rs 20 + Rs 20 + Rs 10



Try Yourself

Can you think of other ways to exchange Rs 100?



Complete the following:









One 10-rupee coin = (____) 5-rupee coins













One 10-rupee note = (____) 2-rupee coins











One 50 rupee note = (__) 20-rupee notes and (__) 5-rupee coins









One 100-rupee note = (___) 50-rupee notes

Match the same amount of money.





First add the values of notes and coins and then match.





















Mathematics-1 Unit-4 Money

Tick (\checkmark) the box if you can buy the objects with the given money.







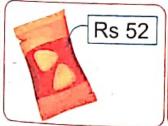




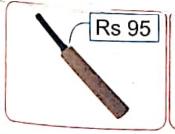




















Place a few toys with price tags on the table. Distribute paper coins and notes among the students and ask if they can buy these toys with the money they have.

Addition and Subtraction of Money



Look at the following items:







Hassan buys a juice pack and an ice-cream. How much money does he spend?



To find the total cost, we add.

Cost of the pack of juice = Rs $\boxed{2}$

Cost of the ice-cream $= + Rs \boxed{4} \boxed{0}$

Total cost = Rs 6 5

Hassan has Rs 50 only. He wants to buy a burger of Rs 65. How much more amount does he need?

To mid out more amount, we subtract.

Cost of the burger = Rs 6 5

Hassan has $= - Rs \boxed{5} \boxed{0}$

More amount he needs = Rs 1 5



How much more does a burger cost than the juice?



Place a few items with price tags on the table. Distribute paper coins and notes among the students. Ask them to buy any two items. Then ask them to estimate how much money did they spend and how much was left with them.



Look at the following items and their prices and then solve:









Abeeha bought a ball and a candy. How much money did she spend?

Cost of the ball

Cost of the candy oaded fro

-

Total money spent

Hamza wants to buy a water paint. He has Rs 42. How much more money does he need?

Cost of the water paint

Total amount

More money he needs

Maryam bought a water paint and a ball. How much money did she spend?

Cost of the water paint

Cost of the ball

Total cost

Ali had Rs 95. He bought a book. How much money was left with Ali?

Amount Ali had =

Rs

Hint

Cost of the book =

Rs

Subtract to find out the remaining amount.

Amount left

= Rs

I have learnt to: 🔊



- · identify pakistani currency coins
- (Re 1, and Rs 2, 5,10).
- · identify pakistani currency notes
- (Rs 10, 20, 50 and 100).
- recognize money change (up to 100) to its equivalents/denominations
- add and subtract price of objects.

Vocabulary

- Money/Amount
- Coin
- Note
- Value

Review Exercise



Complete the following:





One 5-rupee coin = (_____) 1-rupee coins

Try Yourself

If you exchange 20-rupee note with anyone, how many 2-rupee coins will you get?



Unit-4 Money







One 50-rupee note = (____) 10-rupee notes

 $Tick(\checkmark)$ the group with the correct amount.

Rs 30















































Count and write the correct amount.









Look at the following items and their price and then solve:







Harris bought a train and a duck from a toy store. How much money did he spend?

Cost of the train

= Rs

Cost of the duck

= + Rs

Total money spent

= Rs

Ayesha wants to buy a teddy bear. She has Rs 50. How much more money does she need?

Cost of the teddy bear

Rs

Ayesha has

= - Rs

More amount she needs =

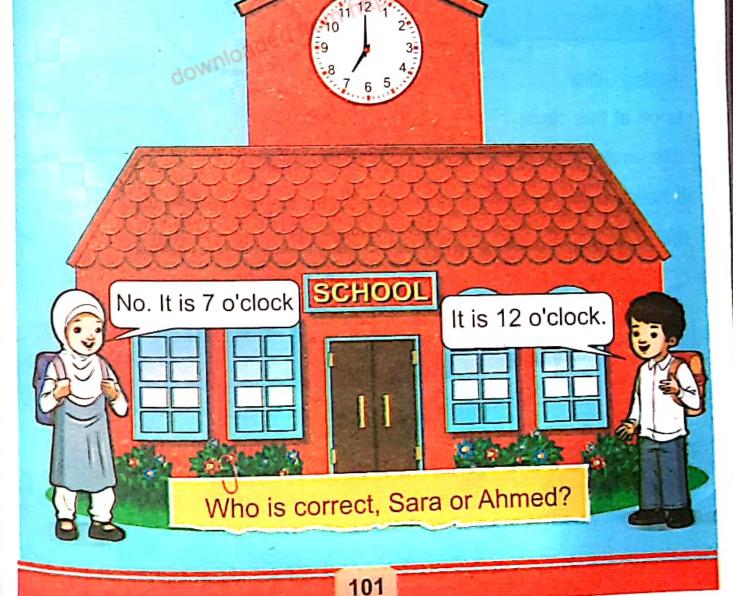
Rs

Time

Learning Outcomes

After completing this unit, you will be able to:

- · Recognize the hour and minute hands of an analog clock.
- · Read and tell time in hours from the analog clock for example 2 o'clock.
- · Read and tell time in hours from the digital clock.
- · Name of days of the week in order .
- · Identify which day comes after/before a particular day.
- · Name (orally) the solar months of the year-
- · Name (orally) the Islamic months of the year.



Clock



What tells us the time?

A clock tells us the time.

There are two types of clocks.

- Analog clock
- Digital clock



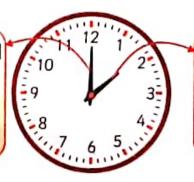
Analog Clock

Look at this clock.

It is an analog clock.

It has two hands, a minute hand and an hour hand which tells us the time.

The long hand is called the minute hand.
It shows the time in minutes.



The short hand is called the hour hand. It shows the time in hours.

The analog clock has numbers from 1 to 12 in order.

The above clock shows that the hour hand is at 2 and the minute hand is at 12. We can say that the time is 2 o'clock.



Let's read the time on the analog clock below.















In an analog clock, the time is expressed with the help of clock hands.

Look at this clock, ownloaded from http:

It is a digital clock.

It shows the hours.



It shows the minutes



The digital clock has no hands. It tells us the time in digits. We can say that the time is 7:00.

Place ten flash cards of digital and analog clock that show different time in hours. Make two teams of students (Team A and Team B). Give five flash cards to each team. Instruct team A to show the flash cards of time on the digital clock and team B to show the same time on analog clock. Not For Sale - PESRP

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Let's read the time on the digital clock below.











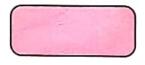


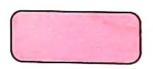


Write the time by looking at each clock.



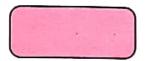


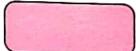




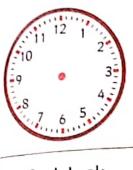








Draw hands to show the correct time.





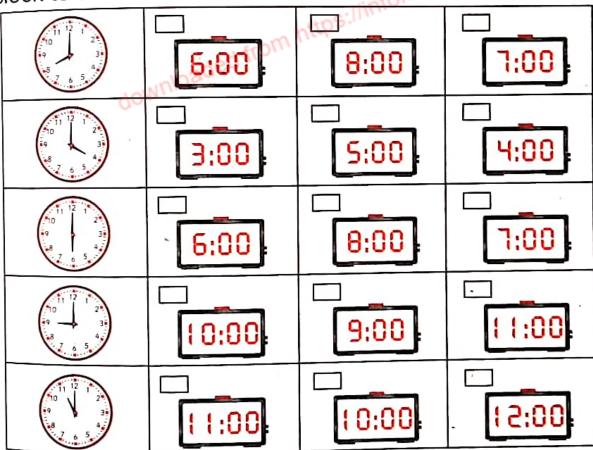


6 o'clock

9 o'clock

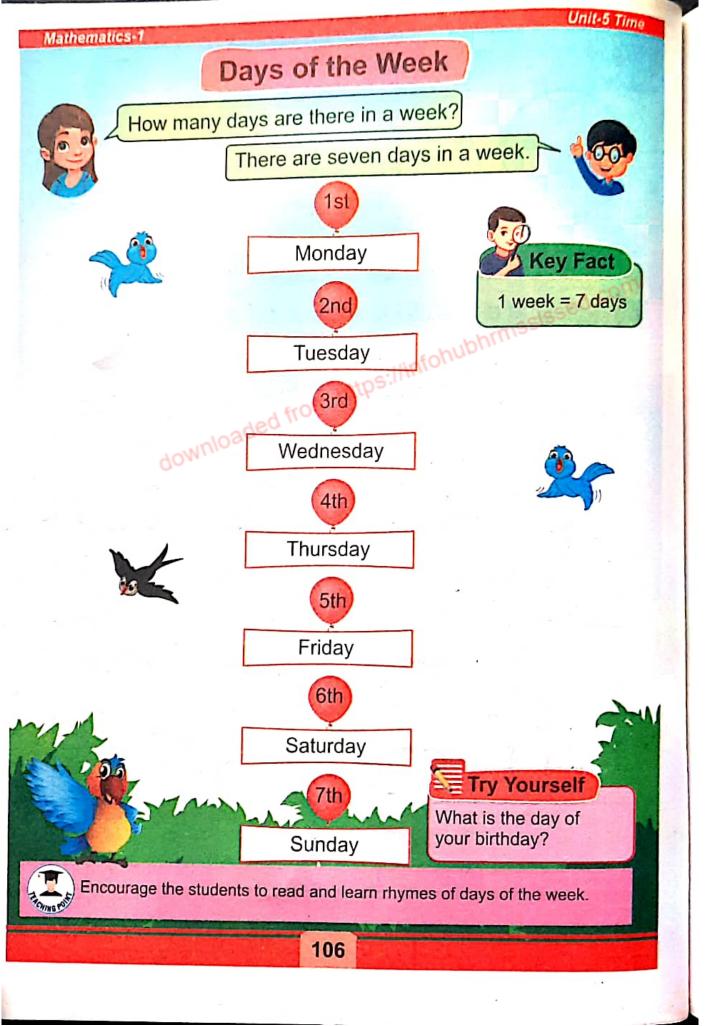
12 o'clock

Tick (\checkmark) the digital clock to show the time on the analog clock to the left.



Try Yourself

At what time do you go to school in the morning?





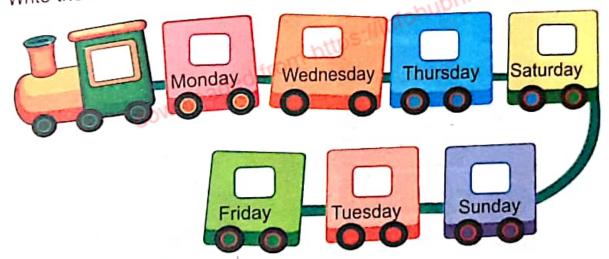
Which day comes before Tuesday?

The first day of the week is Monday and the second day is Tuesday. So, Monday comes before Tuesday.





Write the correct ordinal number for each day of the week.



Colour the box with the correct answer.

Which day comes before?

Which day comes after?

Which is the first day of the week?

Which is the last day of the week?

Thursday

Wednesday

Sunday

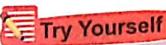
Saturday

Friday

Monday

Monday

Sunday



Which day do you take a day off from school?

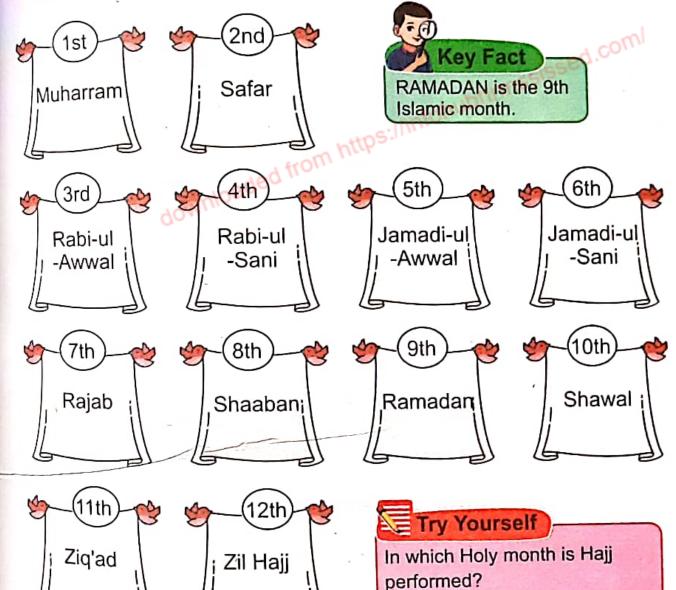
Solar Months



Islamic Months



These are months of the Lunar year which are called Islamic months.





Encourage the students to name the Islamic months orally.



Match each solar month with the correct ordinal number.



Colour the box with the correct answer.

Which Islamic month comes before Safar?

Jamadi-ul -Sani

Muharram

Which is the first Islamic month?

Muharram

Zil Hajj

Which is the last Islamic month?

Zil Hajj

Ziq'ad

Which Islamic month comes after Shaaban?

Shawal

Ramadan

Try Yourself

In which month does Eid-ul-Fitr come?

I have learnt to:

- read and tell the time in hours by identifying the hour and minute hands of the analog clock.
- read and tell the time in hours from the digital clock.
- · name the days of the week in order.
- name (orally) the solar months of the year.
- name (orally) the islamic months of the year.

Vocabular

- · Analog cloud
- · Digital clock
- Day Set
- Week Sam
- · Month,
- · Year

Review Exercise



Write down the time by looking at each clock.









Look at the time in a digital clock and match it with an analog clock.





















Colour the box with the correct answer.

Which day comes before Friday?

Thursday

Saturday

Which day comes after Monday?

Sunday

Tuesday

Which is the 3rd day of the week?

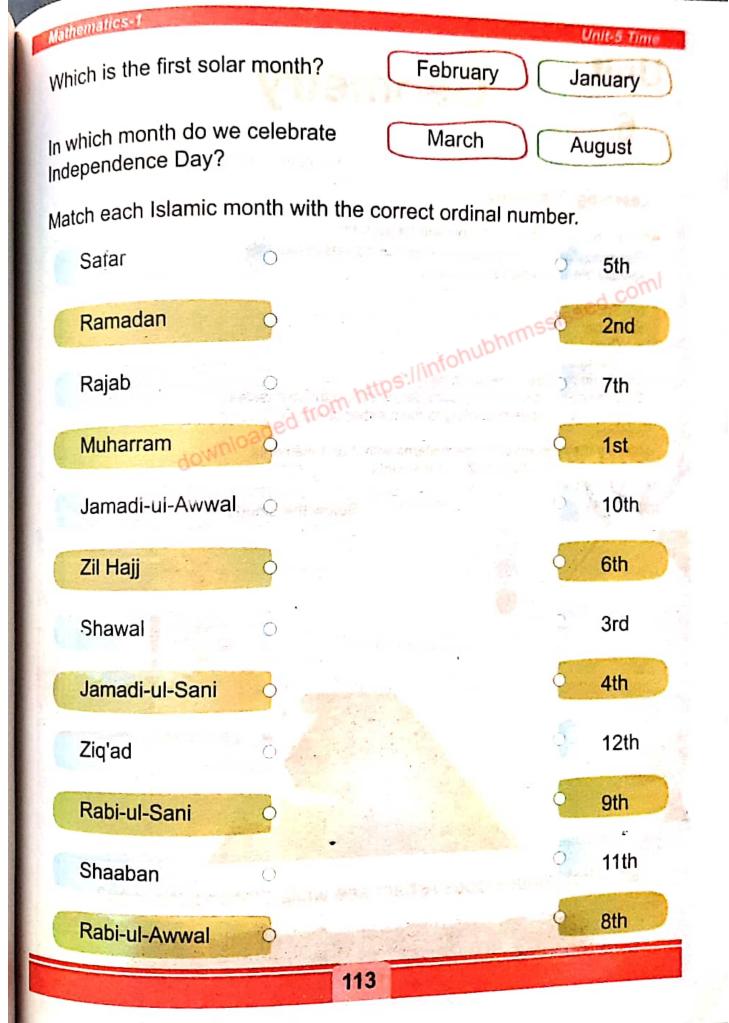
Tuesday

Wednesday

Which solar month comes before May?

June

April



Unit 6

Geometry

Above the clouds

Learning Outcomes

After completing this unit, you will be able to:

- Recognize and identify shapes of similar objects in daily life.
- Identify the following basic shapes:
 - o Rectangle
 - Square
 - o Circle
 - o Oval
 - o Triangle
- Match similar basic shapes in daily life.
- Distinguish basic shapes by considering their attributes (sides).
- Classify 2-D shapes according to the number of their sides and corners.

Identify the next shape in the patterns with 2 or 3 elements.

Extend a given pattern of 2 or 3 elements.

Below the clouds

Tell, what shapes does Arham see while crossing the road?

Basic 2-D Shapes



Let's read the rhyme of 2-D shapes.

We are 2-D shapes,
We spread a net everywhere,
You can find us everywhere,
We make friends everywhere,
Circle circle is my name,
Round and round, never stop again,
Look at the wheel, it looks like me.

Oval oval is my name,
Circle and I are not the same,
Look at the egg, it looks like me.

Square square is my name, My 4 sides are the same, Look at the carrom, it looks like me.

Rectangle Rectangle is my name, My 4 sides are not the same, Look at the door, it looks like me.

Triangle triangle is my name,
Look at me, look at me,
Count my sides one, two, three,
Look at the snack, it looks like me.



Everything we see around us has some shape.





















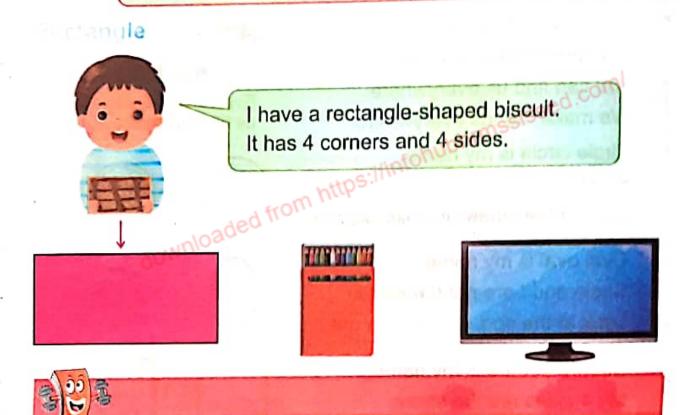


Show some cut-outs of 2-D shapes to the students and ask them to read the above rhyme looking at the shapes.

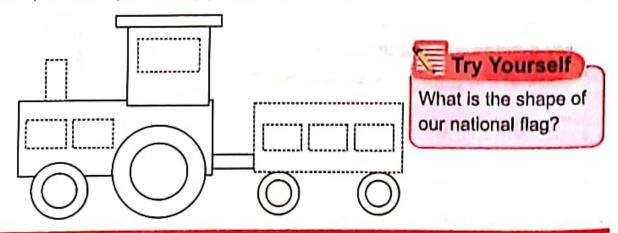


On my birthday, my father brought a box of biscuits. There were biscuits of different shapes in it. Let's identify the different shapes by looking at these biscuits.





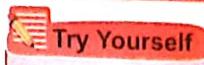
Complete the picture by joining the dots and colour all the rectangles.





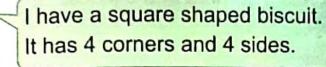
Show flash cards of a few rectangular objects that we use in our daily life to the students. Ask them to name these objects.

Square



6 6

What is the difference between a rectangle and a square?



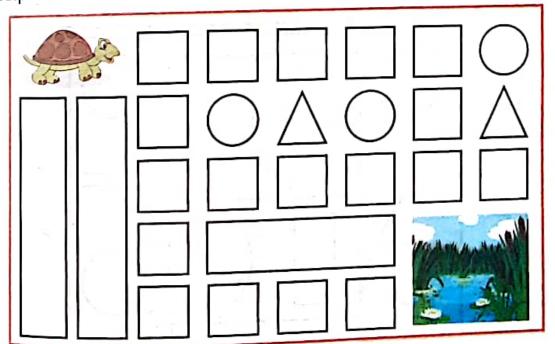








Help the tortoise to reach the pond by colouring the squares only.





With the relevance of the objects given above, ask the students to name some of the square objects that they use in their daily life.



I have a circle shaped biscult. It has 0 corners and 0 sides.

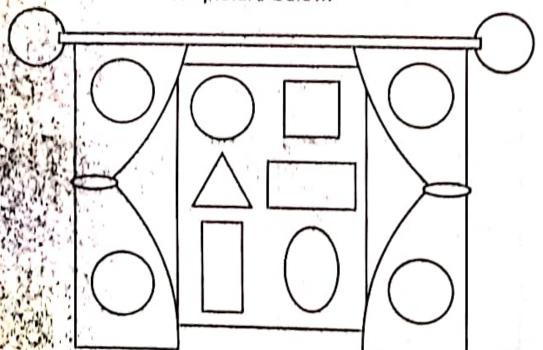








Colour all the circles in the picture below.



A TO

Take the students to the school ground and draw a few shapes on the walking footpath with chalk. Now ask them to step on the circles. At the end, sak them to count how many circles are there?



Unit-6 Geometry







I have an oval shaped biscuit.
It has 0 corners and 0 sides.

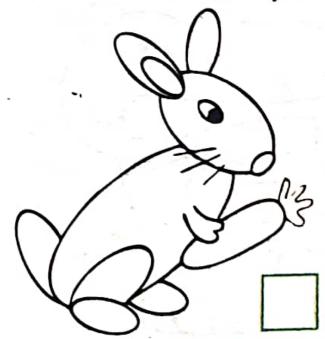








Colour the picture and tell how many ovals are there?





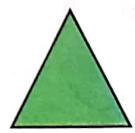
Show some circle and oval shaped objects to the students and ask them to identify the circle and oval shapes.

Triangle





I have a triangle shaped biscuit.
It has 3 corners and 3 sides.

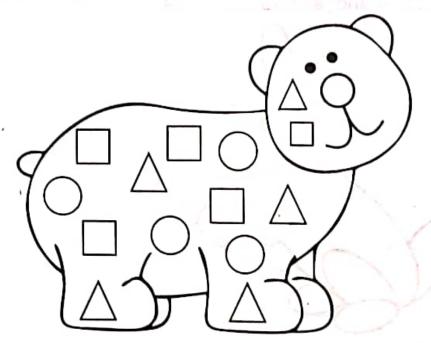








Find the triangles in the picture and colour them green.





Put some flash cards of different shapes in a basket and place it on the table. Ask the students to pick and show all the triangles.

Patterns



We can make patterns with different shapes, colours and sizes.

Let's observe the following patterns:



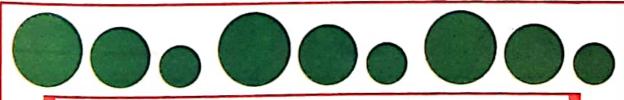
This pattern is made of different shapes.



This pattern is made of different colours.



This pattern is made of different shapes and colours.



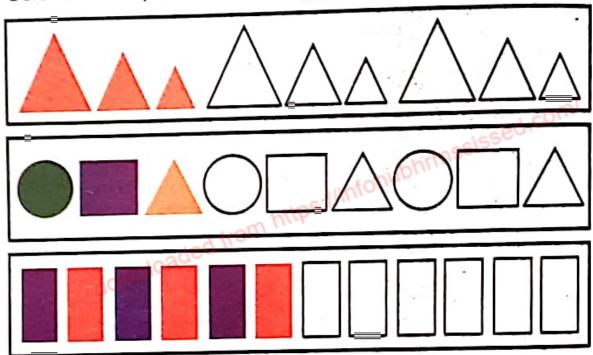
This pattern is made of circles of different sizes.



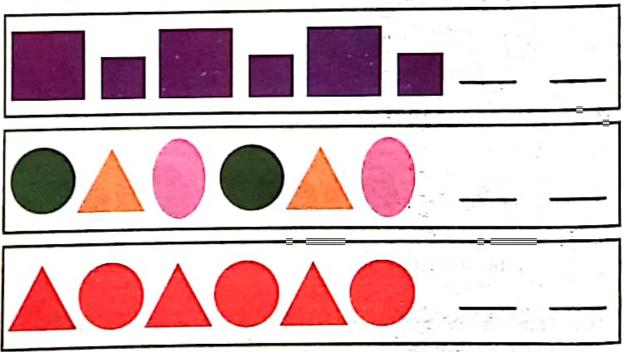
Draw different objects on the writing board to illustrate the patterns and give a few more examples from the classroom/daily life.



Colour the shapes to complete the patterns.

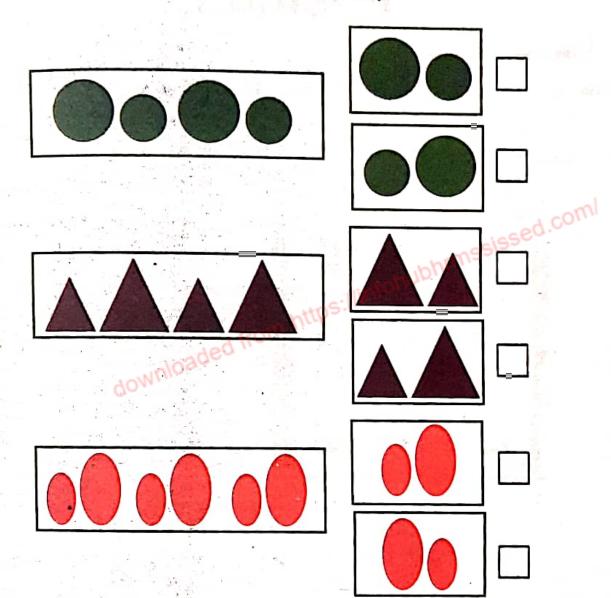


Complete the patterns.

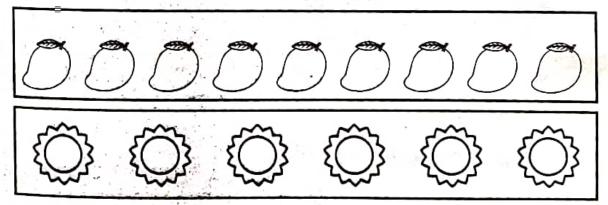


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Tick (✓) the correct box to complete each pattern.



Colour the objects to create patterns of your own choice.

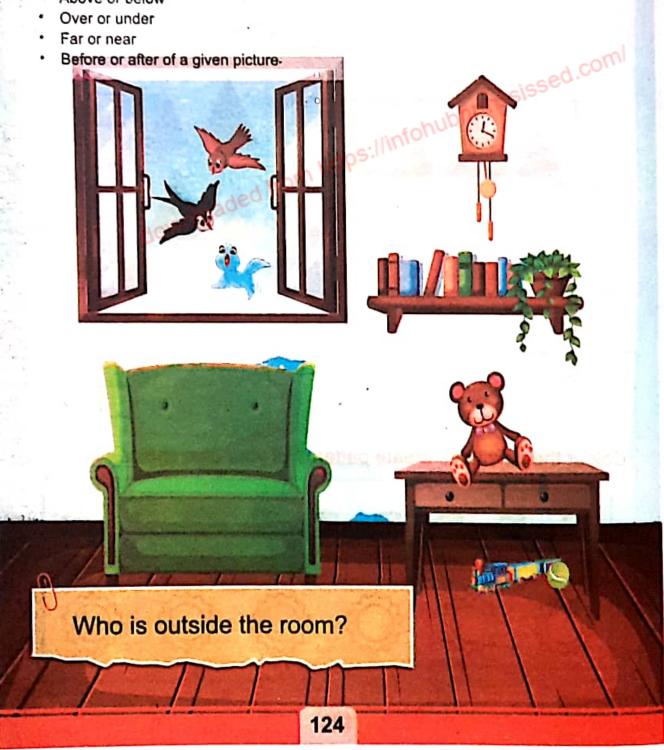


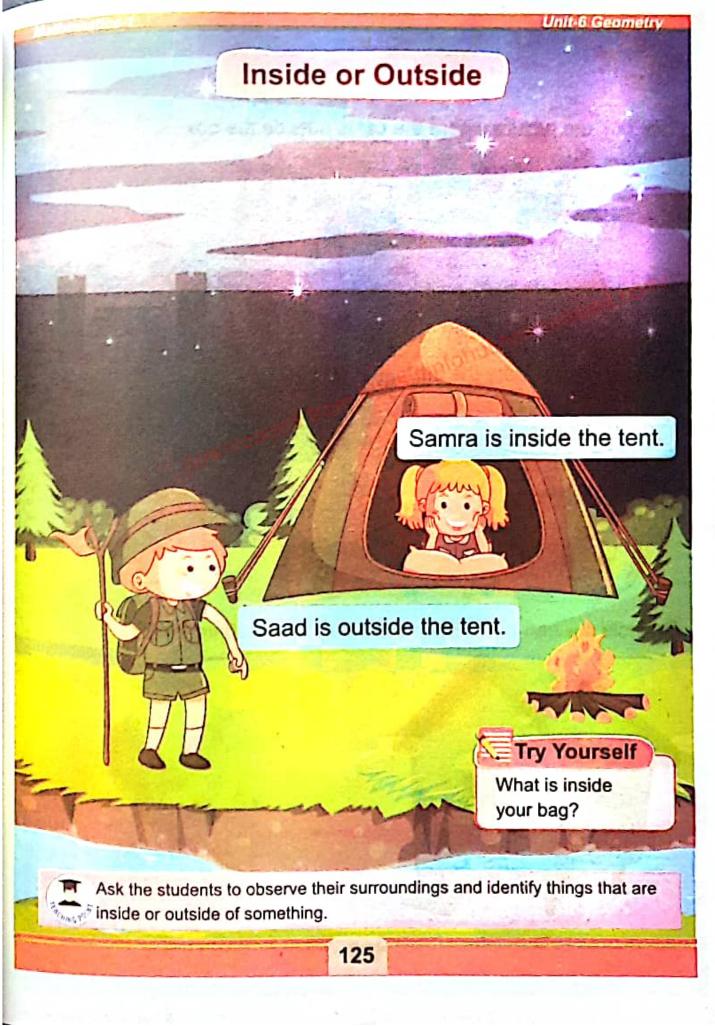
Position

Learning Outcomes

After completing this portion, you will be able to:

- · Identify whether an object is placed
 - · Inside or outside
 - Above or below

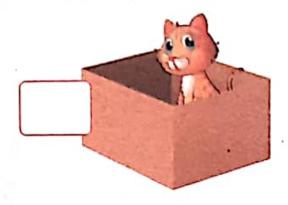




Unit-6 Geometry



Tick (\checkmark) the picture where the cat is outside the box.





Colour the jar where the biscuits are inside.





Encircle the hen and chicks which are outside their home.





Above or Below

The clock is above the picture.











The sofa is below the picture.



Try Yourself

Does the plane fly_ mountains? (above or below)

Explain the terms 'above' and 'below' to the students. Ask them to observe their surrounding and tell the things that are above and below of something.

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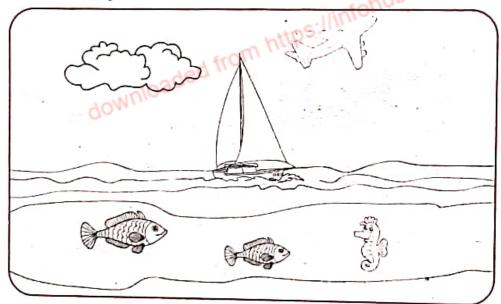


Tick (✓) the picture where the plane is above the clouds.

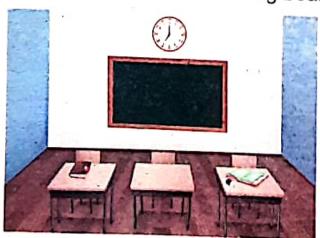


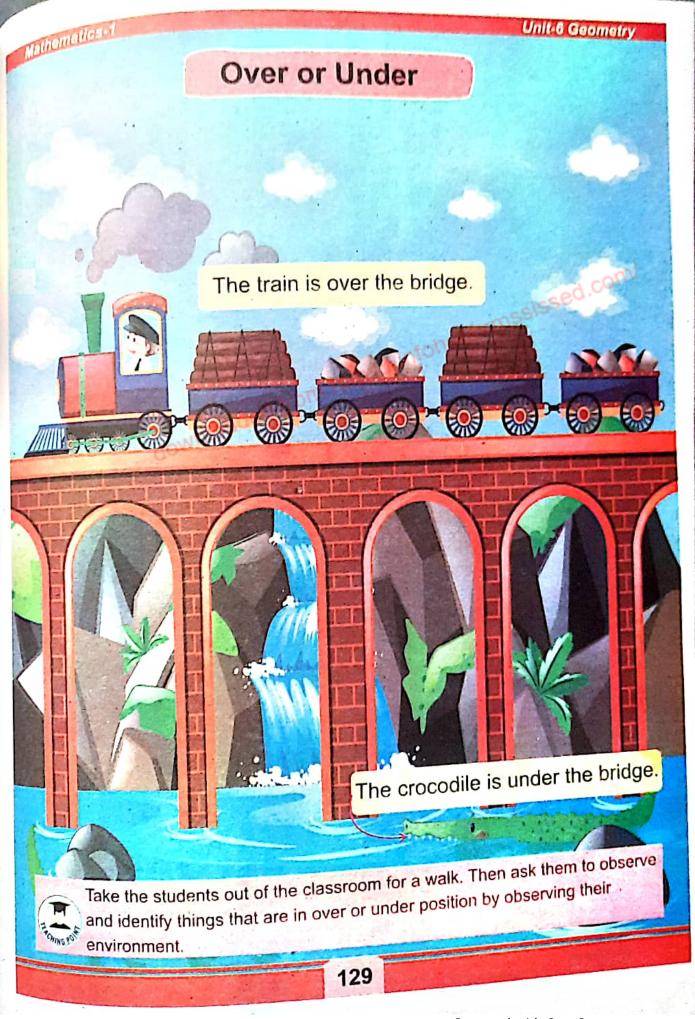


Colour the objects that are below the boat.



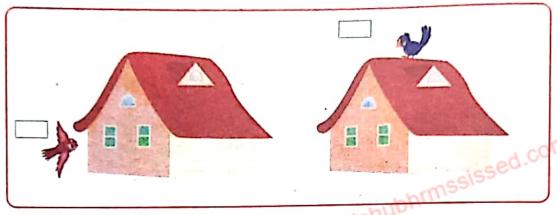
Encircle the object that is above the writing board.







Tick (\checkmark) the picture where the bird is over the house.



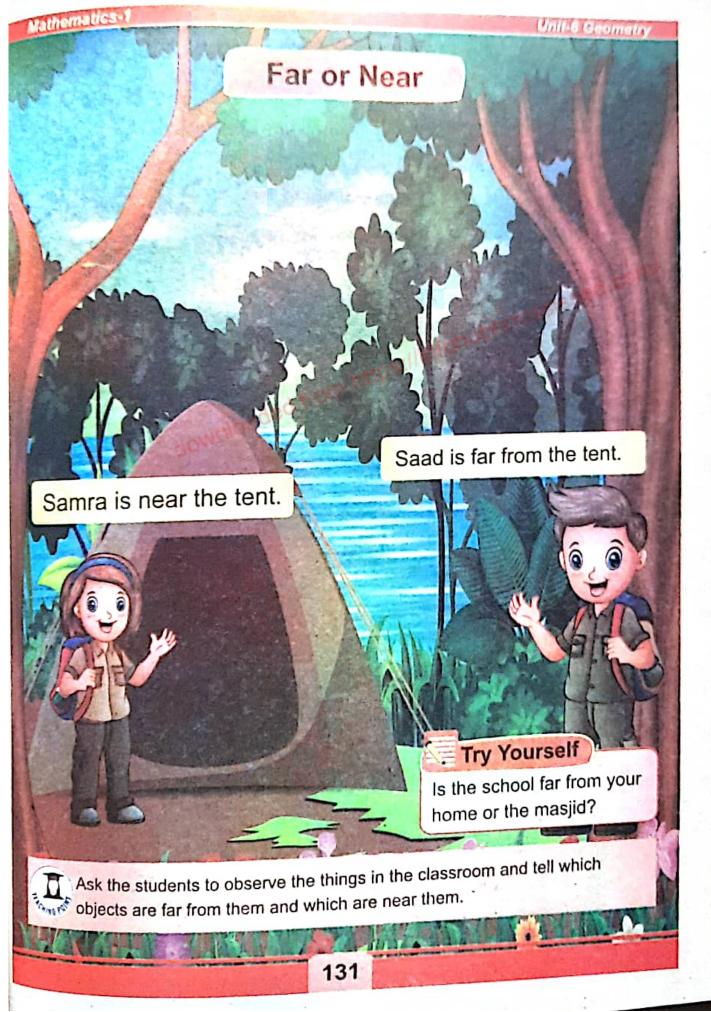
Encircle the boy who is under the slide.



Tick (\checkmark) the picture where the horse is over the fence.







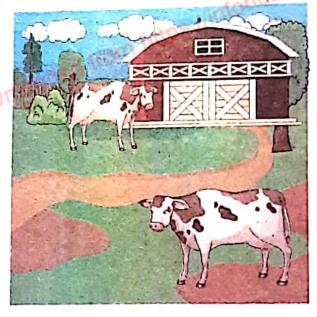


Tick (✓) the picture where the child is far from the football.





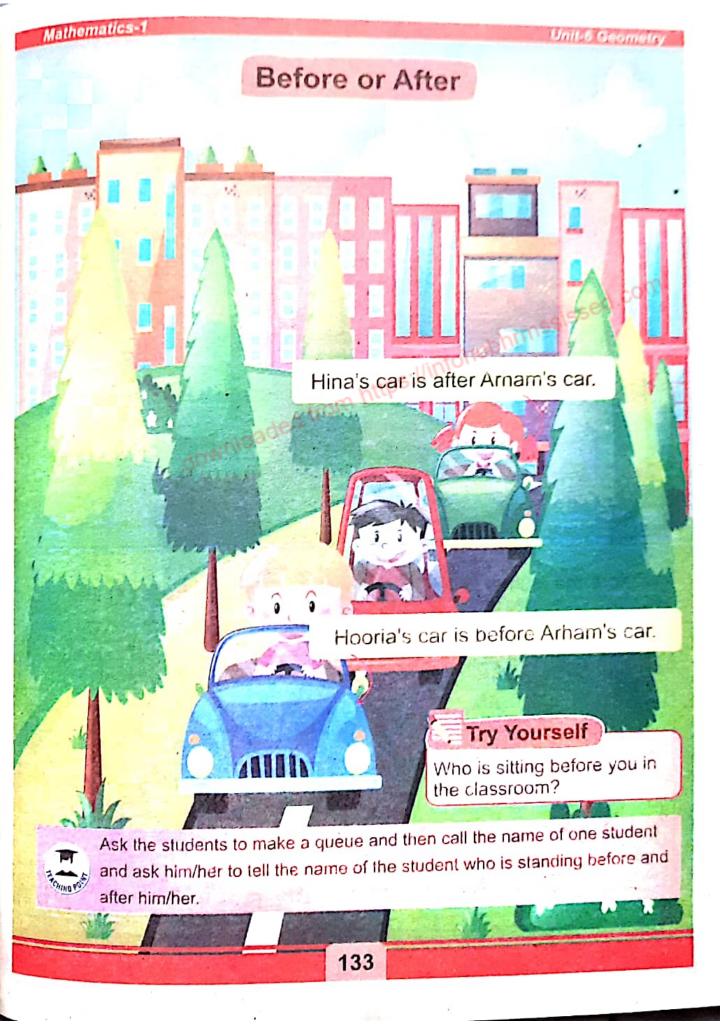
Encircle the cow which is near the house.



Encircle the duck which is far from the pond.



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Mathematics-1 Unit-6 Geometry



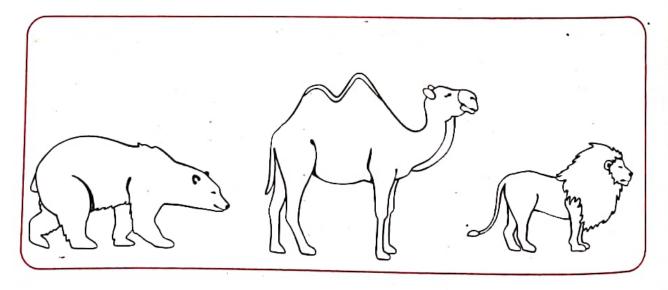
Encircle the girl who is standing before the boy.



Encircle the vehicle which is standing after the bus.



Colour the animal which is before the camel and cross (×) the one that is after it.



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I have learnt to:



- recognize and identify shapes of similar objects in daily life.
- . identify the following basic shapes
 - rectangle
 - square
 - circle
 - oval
 - triangle
- classify 2-D shapes according to the number of sides and corners.
- complete their the patterns by considering shapes, colours and sizes.
- identify whether an object is placed of a given picture:
 - inside or outside \(\)
 - above or below
 - over or under
 - far or near
 - before or after

Vocabulary

- Shapes
- Rectangle
- Square
- Circle
- Oval
- Triangle
- Pattern
- Inside or outside
- Above or below
- Over or under
- Far or near
- Before or after

Review Exercise



Write the correct name, number of sides and corners of these daily life objects.











Name:

Sides:

Corners



Name:

Sides:

Corners

Name:

Sides:

Corners

Name:

Sides:

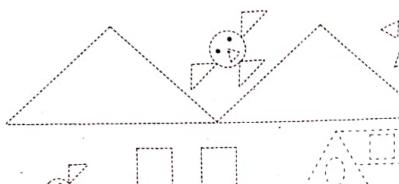
Corners

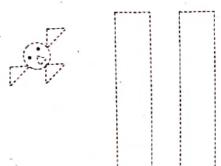
Name:

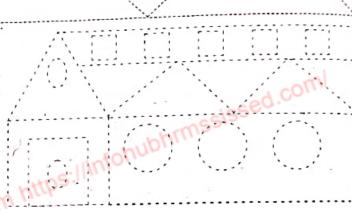
Sides:

Corners

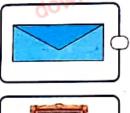
Colour the circles blue, the squares green, the rectangles yellow, the triangles red and the ovals black.

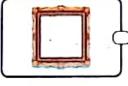


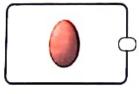




Match the objects with the similar shapes.

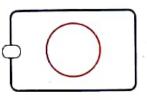


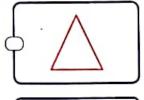


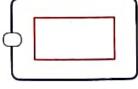


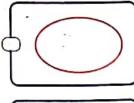


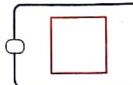








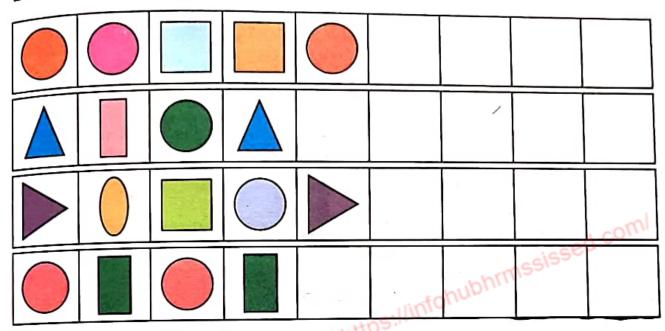






Unit-6 Geometry

Draw and colour the shapes to complete each pattern.



Look at the picture and tick (✓) the correct option.

Where is Ahmed?

outside

inside

Where is Zara?

outside

inside

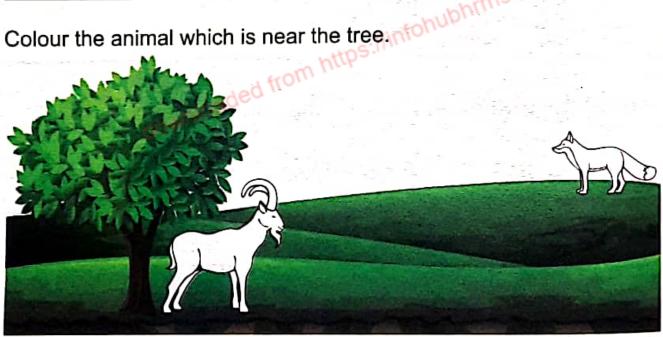


Colour the object that is under the car.



Encircle the object that is over the pole.





Some children are queuing up to get tickets.

Who is standing just

after Amna?

Who is standing just

before Umar?

Who is standing just

after Ahmer?



Fahad