Mathematics Worksheets for Basic 3 Term 3

Developed for Primary Schools in Ghana

Open Learning Platform for Primary Education

www.olppe.org

Mathematics Worksheets for Basic 3 Term 3

: Developed for Primary Schools in Ghana

Consistent with the Mathematics Curriculum for Primary Schools in Ghana (2019, Ministry of Education), this mathematics worksheet book has been developed to aid the teaching of mathematics for basic 3 or grade 3 learners in the third term of their grade level.

The book is filled with bright, engaging illustrations and simple, rhythmic text that makes learning mathematics both enjoyable and memorable. It's an ideal resource for parents and teachers looking to build foundational math skills in young learners.

This book is one of the works of the Open Learning Platform for Primary Education (www.olppe.org) project funded by CERES and the Jacobs Foundation.

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Kindle Direct Publishing
Printed by Kindle Direct Publishing
An Amazon.com Company
Seattle, Washington

ISBN: 9798327635838
Imprint: Independently published

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What is OLPPE?

Leading institutions from Ghana, including the University of Ghana, Kwame Nkrumah University of Science and Technology, and the Ghana Institute of Management and Public Administration, have joined forces. Their goal? To enhance the role and impact of technology within primary education.

Introducing the **Open Learning Platform for Primary Education** (**OLPPE**): a project dedicated to creating and implementing open e-content, while also establishing methods for seamless curriculum integration. This is all with the aim of elevating learning experiences for primary school students. For the pilot phase, the focus is on one of the cornerstone subjects of education — mathematics, specifically within lower primary education in Ghana.

We're proud to be backed by Connecting the E-Tech Research Eco-System (CERES) and the Jacobs Foundation.

JACOBS FOUNDATION
Our Promise to Youth

ceres
Connecting the Ed•tech Research Eco•System

Who are We?

Steering this initiative is a team comprising four senior researchers — Prof. Richard Boateng, Dr Sheena Lovia Boateng, Dr Joseph Budu and Dr John Serbe-Marfo — and two distinguished CERES scholars — Obed Kwame Adzaku Penu and Pasty Asamoah.

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Mathematics Worksheets for Basic 3 Term 3

Developed for Primary Schools in Ghana

Consistent with the Mathematics Curriculum for Primary Schools in Ghana (2019, Ministry of Education), the content standards and sub-strands are indicated on each worksheet (upper-left corner) to enable teachers to align the worksheets with their lesson plans.

Open Learning Platform for Primary Education

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B3.1.1.3.1-2
QUIZ 1

School _____ Class _____

SCORE: .....

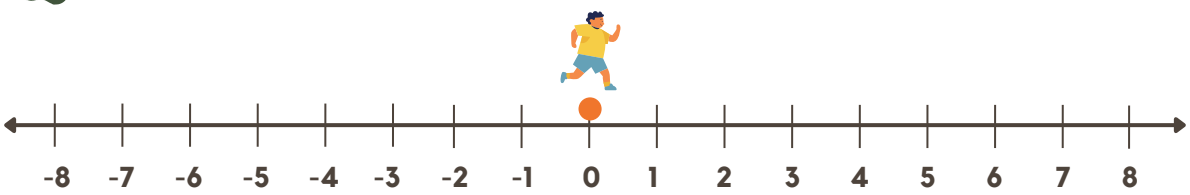
Name _____ Date _____

IDENTIFY NEGATIVE NUMBERS UP TO -10

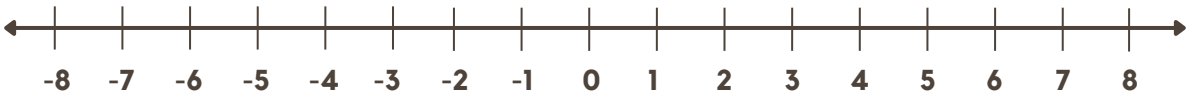
WHERE'S THE LAST POINT?

Let's make the number line our big playground! For every step, hop from one point to another and find out the last position. Remember to write the integer that represents each step.

1 From 0, move 8 steps forward. **Integer: ?**



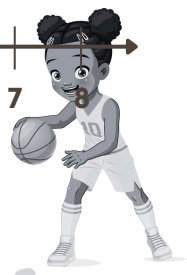
2 From the current position, hop 5 steps backward. **Integer: ?**



3 Then, move 3 steps forward. **Integer: ?**

4 Finally, go back 10 steps. **Integer: ?**

At what point did you last land? ?



TEACHER: .....

B3.1.1.3.1-2
QUIZ 2

School _____ Class _____

SCORE: .....

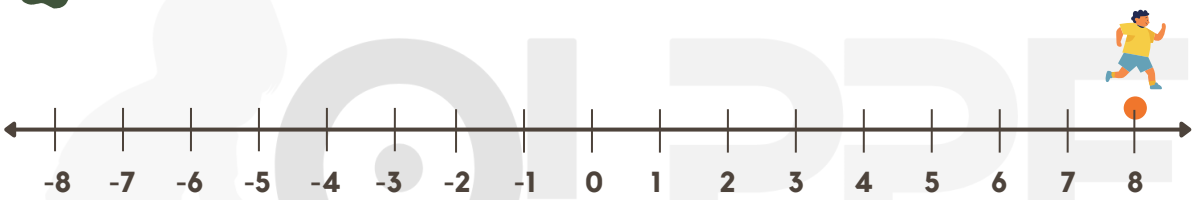
Name _____ Date _____

IDENTIFY NEGATIVE NUMBERS UP TO -10

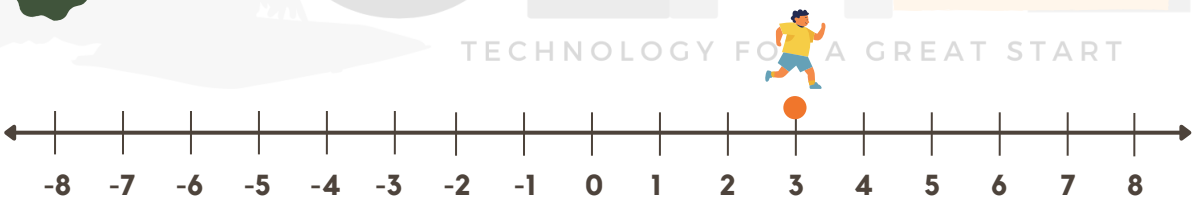
WHERE'S THE LAST POINT?

Let's make the number line our big playground! For every step, hop from one point to another and find out the last position. Remember to write the integer that represents each step.

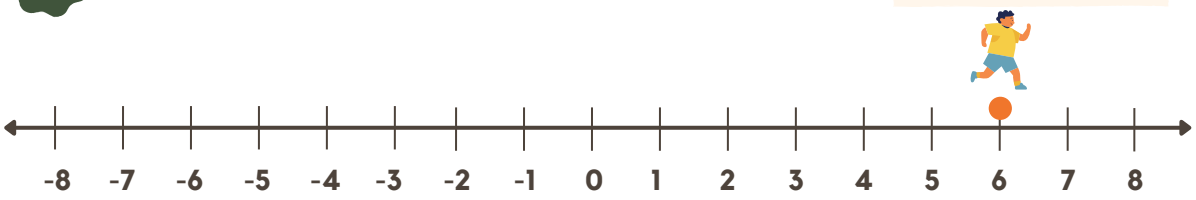
1 From 0, move 8 steps forward. **Integer:**



2 From the current position, hop 5 steps backward. **Integer:**

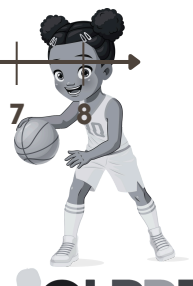


3 Then, move 3 steps forward. **Integer:**



4 Finally, go back 10 steps. **Integer:**

At what point did you last land?



TEACHER: .....

B3.1.2.5.1-2
QUIZ 3A

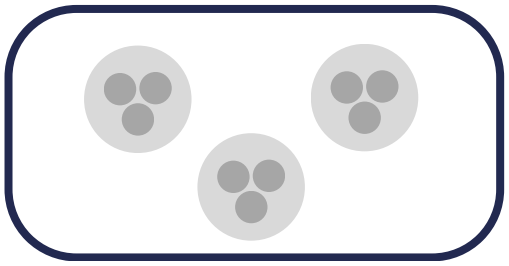
School _____ Class _____

SCORE: .....

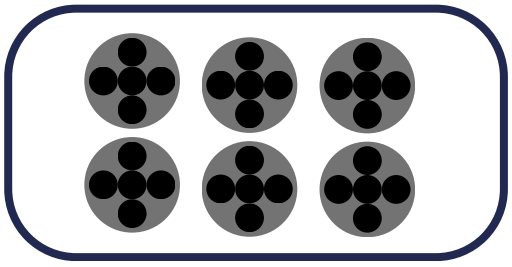
Name _____ Date _____

MULTIPLICATION USING EQUAL GROUPINGS

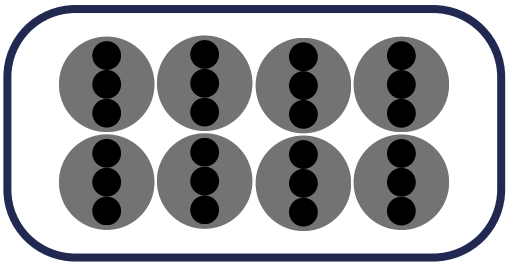
Fill in the blanks to describe the equal group models.



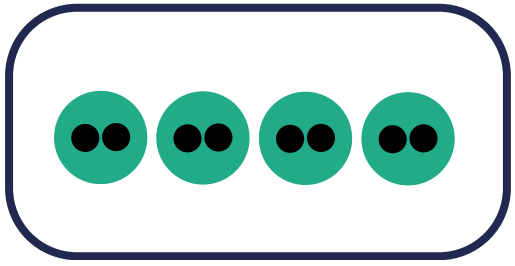
3 x 3 = 9



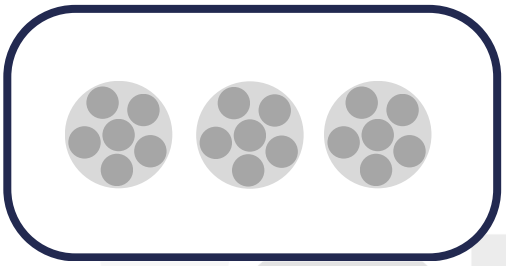
___ x ___ = ___



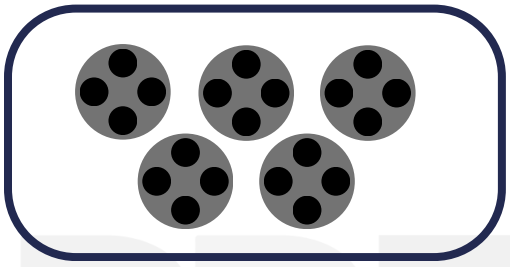
___ x ___ = ___



___ x ___ = ___



___ x ___ = ___



___ x ___ = ___

Draw a model to match the multiplication problem and figure out the answer:

4 X 5 =

B3.1.2.5.1-2
QUIZ 3B

School _____ Class _____

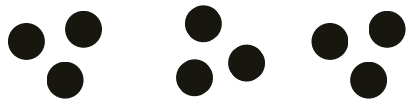
SCORE: .....

Name _____ Date _____

MULTIPLICATION USING EQUAL GROUPINGS

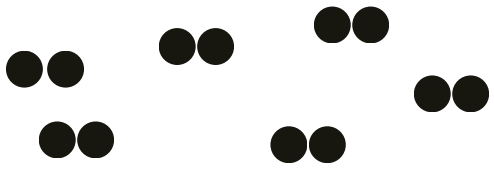
Fill in the blanks to describe the equal group models.

1



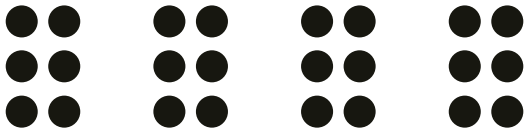
_____ groups of _____

2



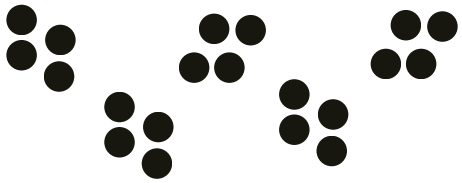
_____ groups of _____

3



_____ groups of _____

4



_____ groups of _____

5

9 groups of 2

6

2 groups of 7

7

5 groups of 3

8

1 group of 8

9 Esi invited six friends to her birthday. She gave them five candies in each candy bag. Draw the equation below and write how many candies in total she needs to buy:

B3.1.2.5.1-2
QUIZ 3C

School _____ Class _____

SCORE: .....

Name _____ Date _____

MULTIPLICATION USING ARRAYS

SHADE the following and provide the answer

2 x 3 = 6

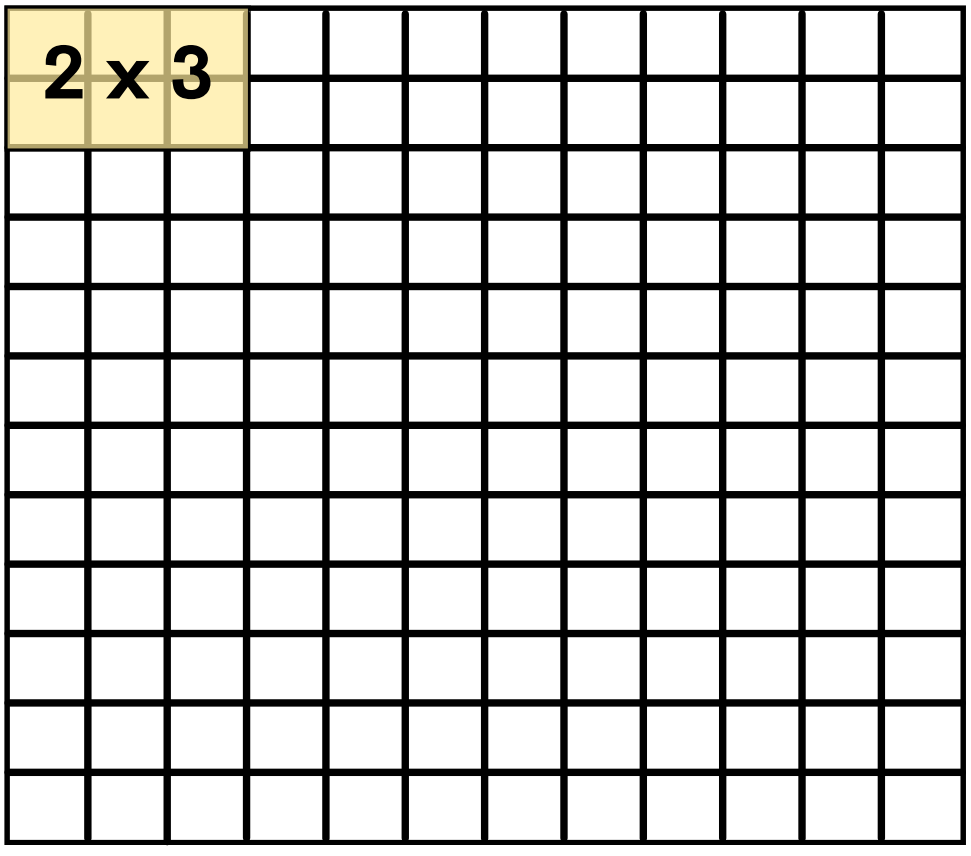
4 x 4 = ...

5 x 2 = ...

4 x 3 = ...

2 x 2 = ...

3 x 3 = ...



B3.1.2.5.1-2
QUIZ 3D

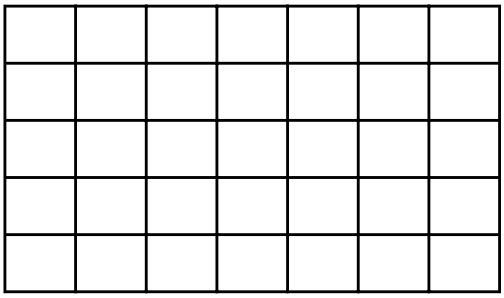
School _____ Class _____

SCORE: .....

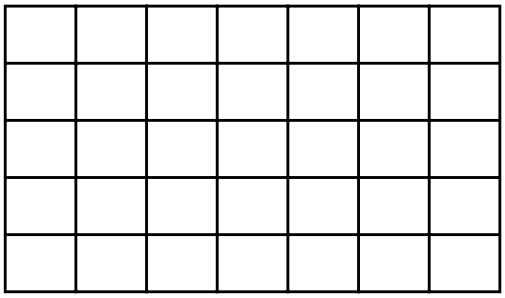
Name _____ Date _____

MULTIPLICATION USING ARRAYS

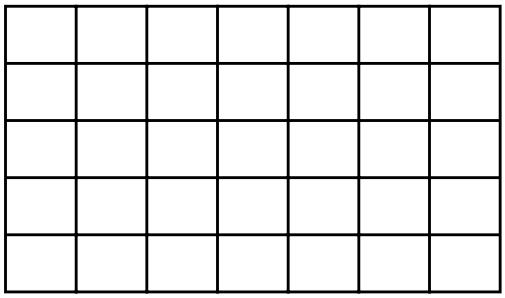
Color in the squares to create arrays that represent each problem below.



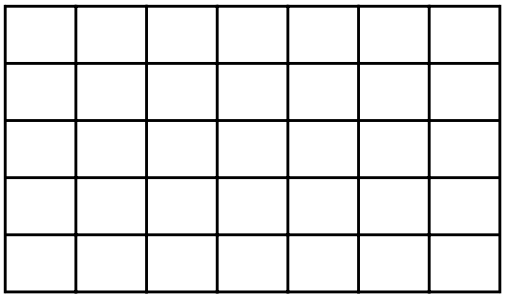
6 X 4 = ...



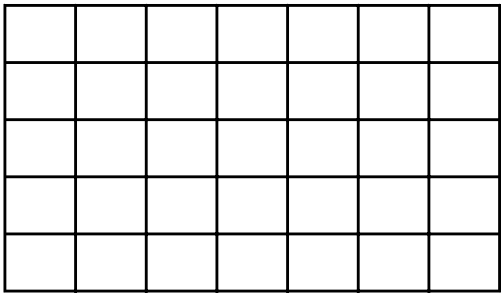
2 X 7 = ...



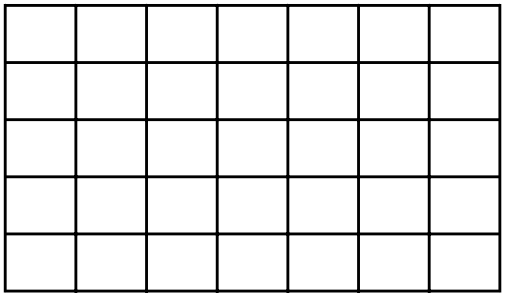
4 X 3 = ...



3 X 6 = ...



5 X 3 = ...



7 X 4 = ...

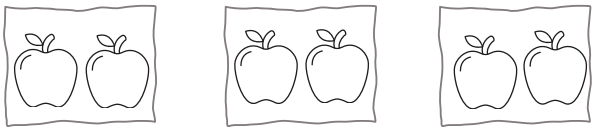
B3.1.2.5.1-2
QUIZ 3E

School _____ Class _____

SCORE: .....

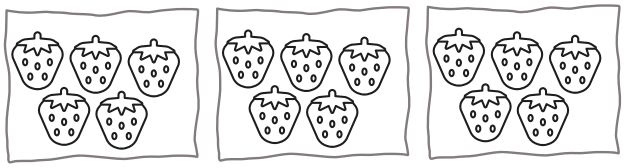
Name _____ Date _____

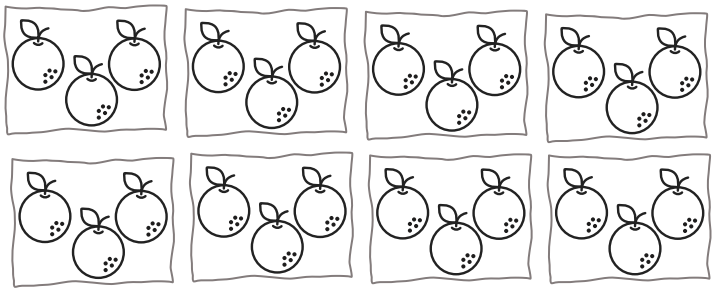
MULTIPLICATION USING ADDITION

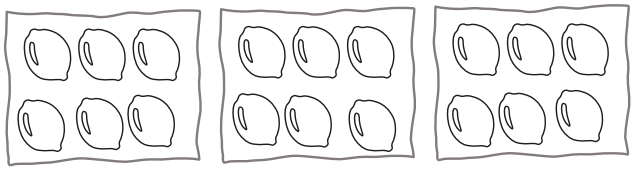


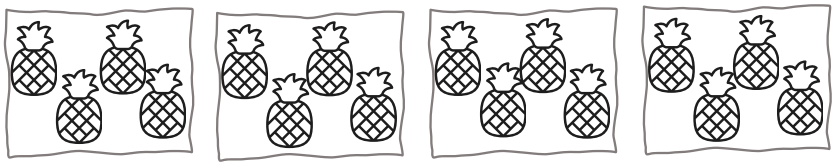
3 X 2 = 6

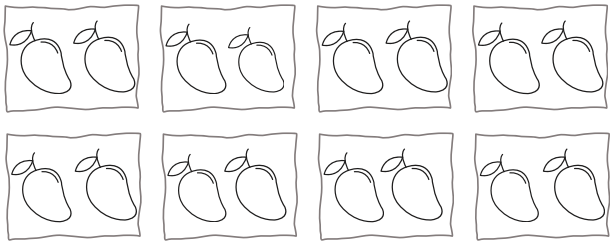
2 + 2 + 2 = 6

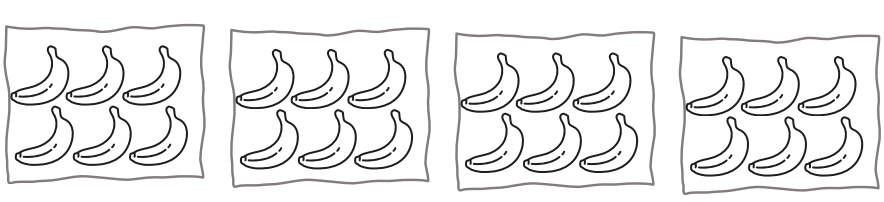


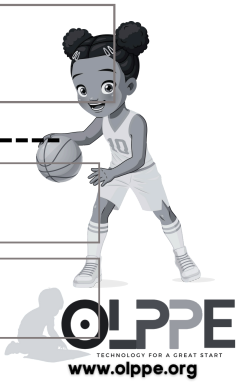












B3.1.2.5.1-2
QUIZ 3E

School _____ Class _____

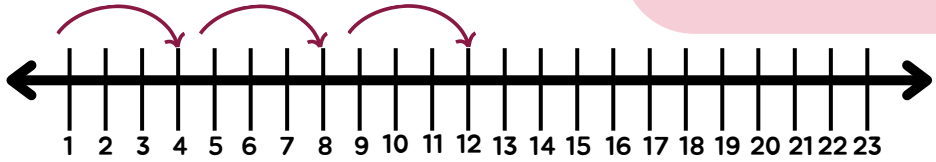
SCORE: ..... Name _____ Date _____

MULTIPLICATION USING ADDITION

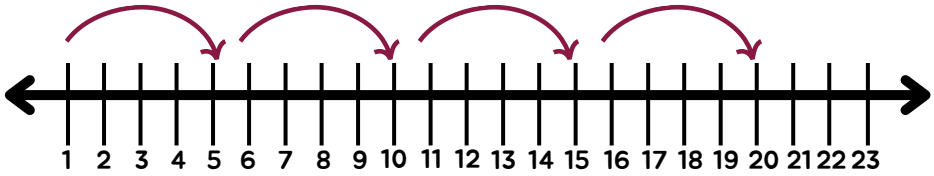
Repeatedly skip the same amount on a number line.

Example:

3 x 4 = 12



Write a multiplication problem to match the model:



Draw a number line to match the multiplication problem:

2 x 4 = 8

B3.1.2.5.1-2
QUIZ 3E

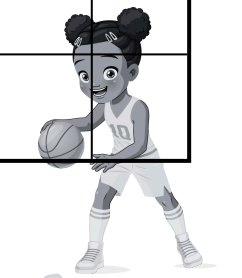
School _____ Class _____

SCORE: .....

Name _____ Date _____

MULTIPLICATION GRID

×	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												



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TEACHER: .....

B3.1.2.6.1-3
QUIZ 4A

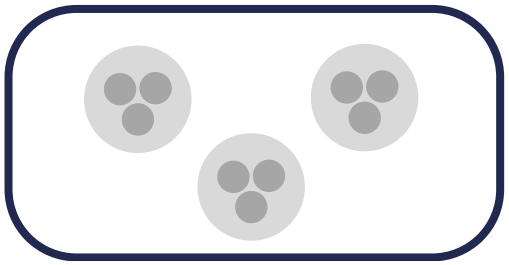
School _____ Class _____

SCORE: .....

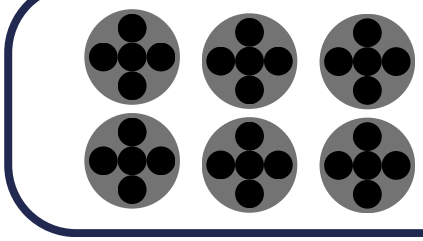
Name _____ Date _____

DIVISION USING EQUAL GROUPINGS

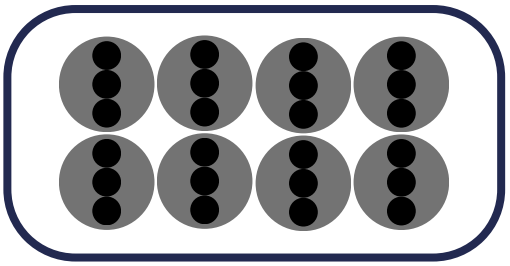
Fill in the blanks to describe the equal group models.



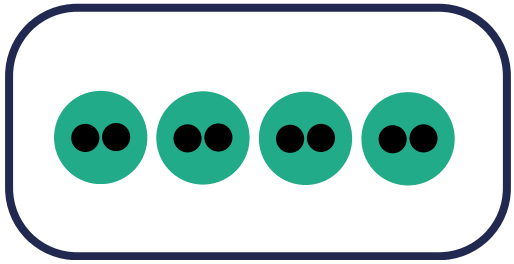
9 ÷ 3 = 3



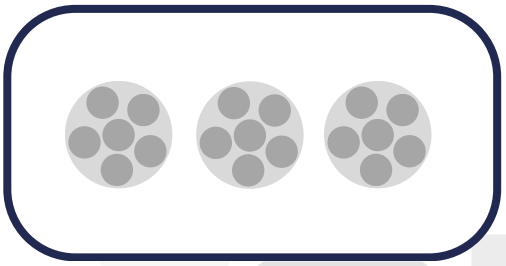
___ ÷ ___ = ___



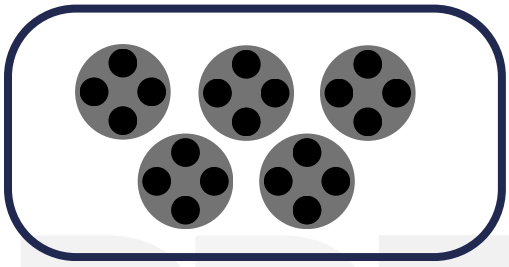
___ ÷ ___ = ___



___ ÷ ___ = ___



___ ÷ ___ = ___



___ ÷ ___ = ___

Draw a model to match the division problem and figure out the answer:

8 ÷ 2 = 4

B3.1.2.6.1-3
QUIZ 4B

School _____ Class _____

SCORE: ..... Name _____ Date _____

DIVIDING BY TWO OR THREE

4 ÷ 2 =	
8 ÷ 2 =	
6 ÷ 2 =	
12 ÷ 2 =	
18 ÷ 3 =	
20 ÷ 2 =	
30 ÷ 2 =	
24 ÷ 2 =	
28 ÷ 2 =	
32 ÷ 2 =	

12 ÷ 3 =	
9 ÷ 3 =	
36 ÷ 3 =	
15 ÷ 3 =	
18 ÷ 3 =	
21 ÷ 3 =	
6 ÷ 3 =	
24 ÷ 3 =	
27 ÷ 3 =	
30 ÷ 3 =	

B3.1.2.6.1-3
QUIZ 4B

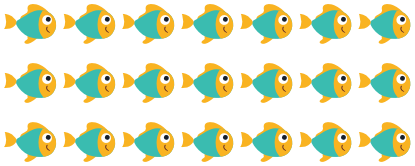
School _____ Class _____

SCORE: .....

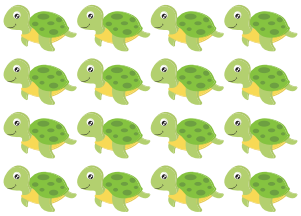
Name _____ Date _____

MULTIPLICATION AND DIVISION FAMILIES

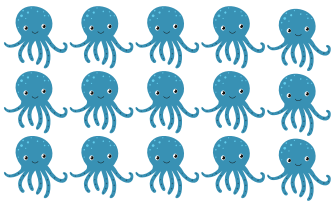
Write the family of multiplication and division facts for each picture



_____
_____
_____
_____



_____
_____



_____
_____
_____
_____

Write each answer.
Circle the fact that does not belong to the family.

6 x 3 = _____	32 ÷ 4 = _____	54 ÷ 9 = _____
3 x 6 = _____	7 x 4 = _____	6 x 9 = _____
18 ÷ 3 = _____	28 ÷ 4 = _____	45 ÷ 9 = _____
6 x 6 = _____	4 x 7 = _____	9 x 6 = _____
18 ÷ 6 = _____	28 ÷ 7 = _____	54 ÷ 6 = _____
36 ÷ 9 = _____	45 ÷ 5 = _____	81 ÷ 9 = _____
4 x 9 = _____	8 x 5 = _____	72 ÷ 9 = _____
9 x 4 = _____	40 ÷ 8 = _____	9 x 9 = _____
36 ÷ 4 = _____	5 x 8 = _____	
32 ÷ 4 = _____	40 ÷ 5 = _____	

B3.3.1.1.4
QUIZ 5

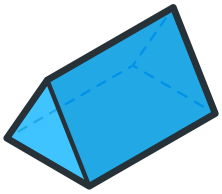
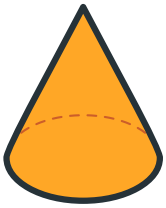
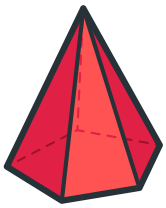
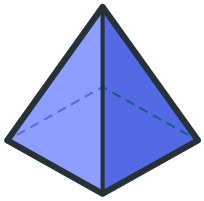
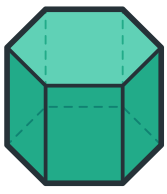
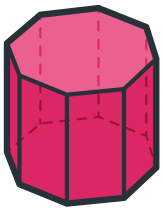
School _____ Class _____

SCORE: .....

Name _____ Date _____

ATTRIBUTES OF 3D SHAPES

Complete the chart with information about 3D shapes

Picture	Name	Properties	Real life objects
		Faces: Edges: Vertices:	
		Faces: Edges: Vertices:	
		Faces: Edges: Vertices:	
		Faces: Edges: Vertices:	
		Faces: Edges: Vertices:	
		Faces: Edges: Vertices:	

B3.3.3.3.1-3
QUIZ 6

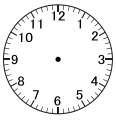
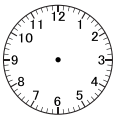
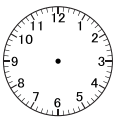
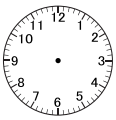
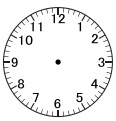
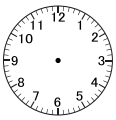
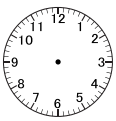
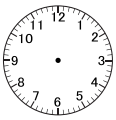
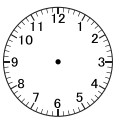
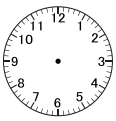
School _____ Class _____

SCORE: .....

Name _____ Date _____

MEASURING TIME

Identify the routine, draw the clock, and write the sentence!

1.		I wake up at .....
2.		I take a shower at .....
3.		I have breakfast at .....
4.		I go to school at .....
5.		I have lunch at .....
6.		I take a nap at.....
7.		I do my homework at.....
8.		I watch TV at.....
9.		I have dinner at.....
10.		I go to bed at.....

TEACHER: .....

B3.3.3.3.1-3
QUIZ 7

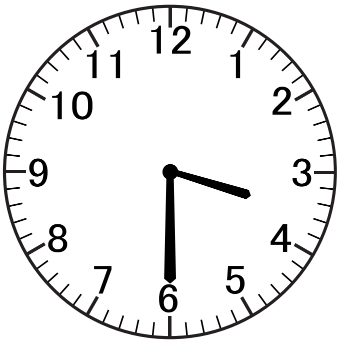
School ______________________ Class ______________

SCORE: ....

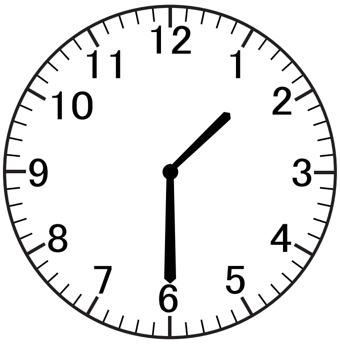
Name ______________________ Date ______________

WHAT'S THE TIME?

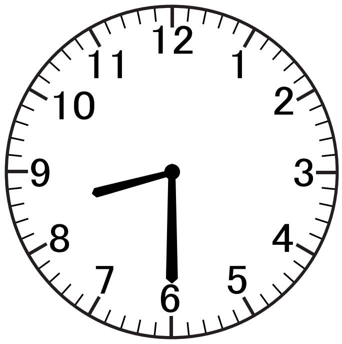
Write the time shown on the analog clocks:



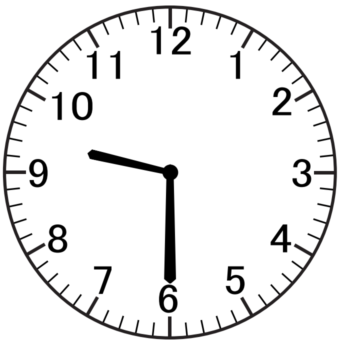
:



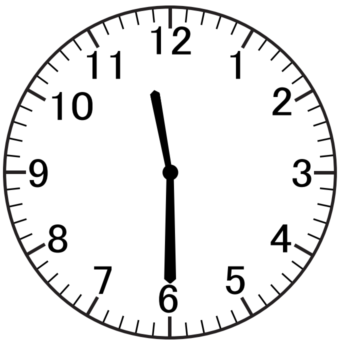
:



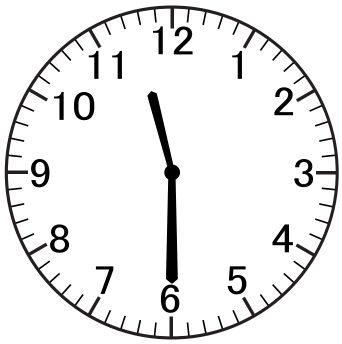
:



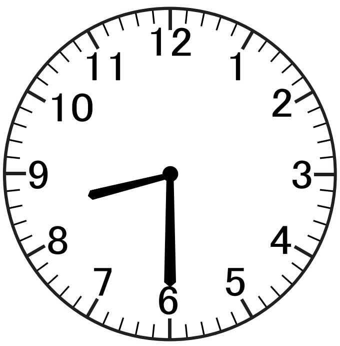
:



:



:



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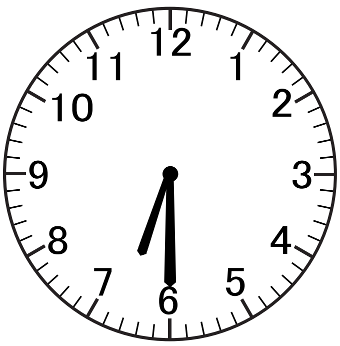


:

:

TEACHER: ....

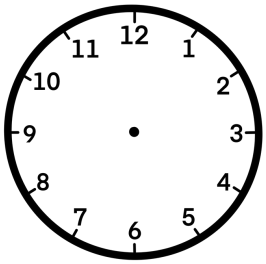
B3.3.3.3.1-3
QUIZ 7

School _____ Class _____

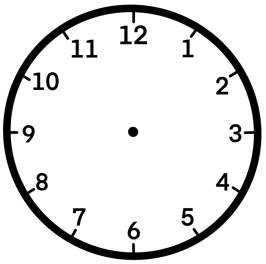
SCORE: ..... Name _____ Date _____

Telling The Time

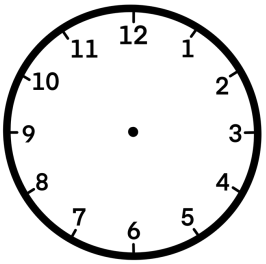
Read and draw the hands on the clocks to show the time



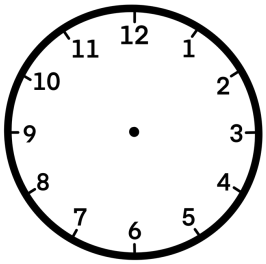
Seven o'clock



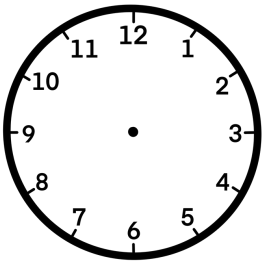
Four o'clock



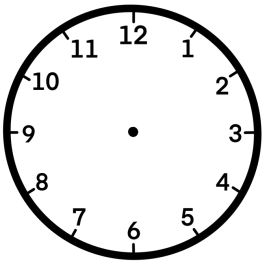
Ten o'clock



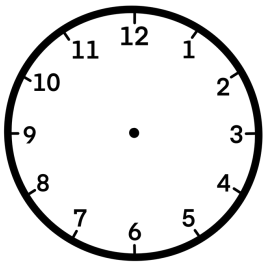
Quarter past six



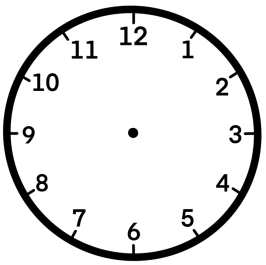
Quarter past eleven



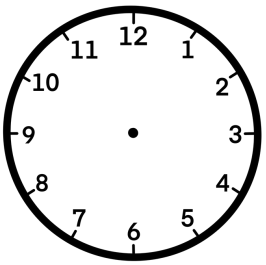
Quarter past two



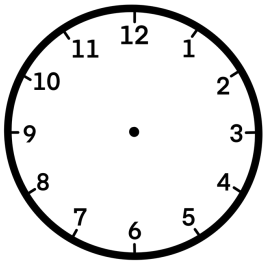
Half past nine



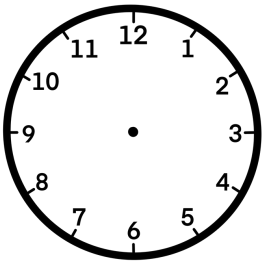
Half past six



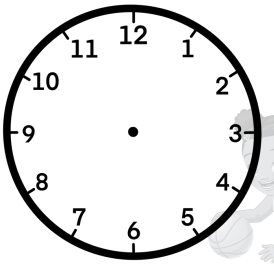
Half past three



Quarter to twelve



Quarter to five



Quarter to one

TEACHER: .....

B3.3.3.3.1-3
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

CALENDAR: DAYS, WEEKS AND MONTHS

30 days has September, April, June, and November. All the rest have 31, Except for February alone, which has 28 days clear, and 29 in each leap year.

2024 CALENDAR

JANUARY

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

MARCH

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

TEACHER: .....

B3.3.3.3.1-3
QUIZ 8

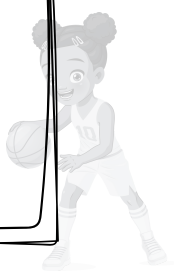
School _____ Class _____

SCORE: ..... Name _____ Date _____

CALENDAR: DAYS, WEEKS AND MONTHS

CLASSROOM BIRTHDAY CALENDAR

JANUARY	FEBRUARY	MARCH
APRIL	MAY	JUNE
JULY	AUGUST	SEPTEMBER
OCTOBER	NOVEMBER	DECEMBER



TEACHER: .....

B3.3.3.3.1-3
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

CALENDAR: DAYS, WEEKS AND MONTHS

HOLIDAYS IN GHANA 2024

PUBLIC HOLIDAY	DAY/MONTH	DAY OF THE WEEK
1. New Year's Day	1st January	Monday
2. Constitution Day	7th January	Sunday
3. Independence Day	6th March	Wednesday
4. Good Friday	29th March	Friday
5. Easter Monday	1st April	Monday
6. May Day (Workers' Day)	1st May	Wednesday
7. Eid-Ul-Fitr	** ***	
8. Eid-Ul-Adha	*** ***	
9. Founders' Day	4th August	Sunday
10. Kwame Nkrumah Memorial Day	21st September	Saturday
11. Farmers' Day	6th December	Friday
12. Christmas Day	25th December	Wednesday
13. Boxing Day	26th December	Thursday

COMMERATIVE HOLIDAYS

- African Union Day 25th May Saturday
- Republic Day 1st July Monday

TEACHER: .....

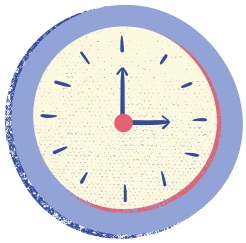
B3.3.3.3.1-3
LEARN

School _____ Class _____

SCORE: .....

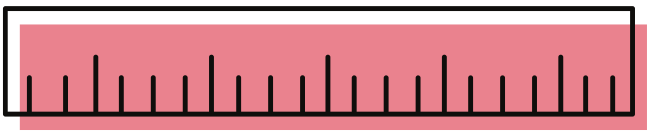
Name _____ Date _____

SECONDS, MINUTES, HOURS AND DAYS



TIME

1 year	=	365 days
1 year	=	12 months
1 week	=	7 days
1 day	=	24 hours
1 hour	=	60 minutes
1 minute	=	60 seconds



TEACHER: .....

B3.3.3.3.1-3
QUIZ 9A

School _____ Class _____

SCORE: ..... Name _____ Date _____

SECONDS, MINUTES, HOURS AND DAYS

Seconds - Minutes - Hours

Which time option matches the picture?

Seconds Minutes Hours

☐ ☐ ☐ Eating

Seconds Minutes Hours

☐ ☐ ☐ Drinking

Seconds Minutes Hours

☐ ☐ ☐ Sleeping

Seconds Minutes Hours

☐ ☐ ☐ Sneezing

TEACHER: .....

B3.3.3.3.1-3
QUIZ. 9B

School _____ Class _____

SCORE: ..... Name _____ Date _____

SECONDS, MINUTES, HOURS, DAYS, WEEKS, MONTHS AND YEARS

Winter	seasons	seven	December	January	thirty	February	
twelve	days	hours	March	morning	minutes	three	Monday

1 There are _____ months in a year.

2 There are _____ days in a week.

3 _____is the first month of the year and _____ is the last one.

4 April, June, September and November have _____ days.

5 _____ has only 28 days, and 29 in a leap year.

6 The rest of the months have 31 _____

7 There are four _____ in a year.

8 A day lasts 24 _____ . An hour lasts 60 _____

9 A day can be divided into three parts: _____afternoon and night.

10 Write the day, month and year you were born?.....

TEACHER: .....

B3.3.4.1.1-2
QUIZ 10A

School _____ Class _____

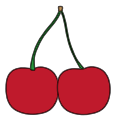
SCORE: .....

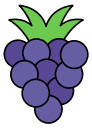
Name _____ Date _____

TALLIES, CHECKMARKS, CHARTS, LISTS OR TABLES

MY FAVOURITE FRUIT TALLY

Tally your class's favourite fruit in the table below:





TEACHER: .....

B3.3.4.1.1-2
QUIZ 10B

School _____ Class _____

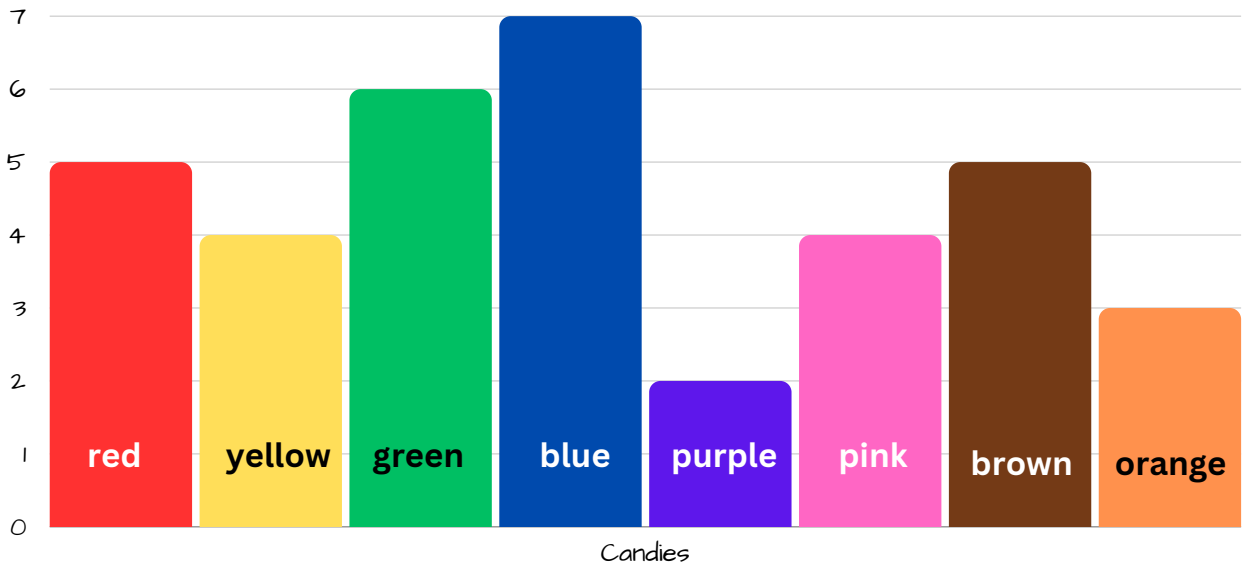
SCORE: ..... Name _____ Date _____

BAR GRAPH WORKSHEET

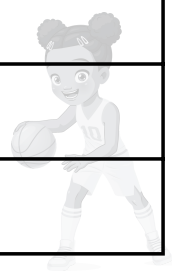
Review: Bar graphs use bars, either vertically or horizontally, to show independent data collected under the same topic.

Directions: Match the candy color data in the bar graph to the correct color amount in the chart.

Colors of Candies in One Box



Color	How Many?	Colors	How Many?
Red	5	Purple	
Yellow		Pink	
Green		Brown	
Blue		Orange	

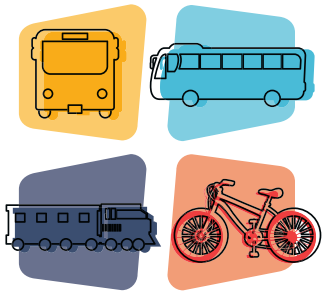


TEACHER: .....

B3.3.4.1.1-2
QUIZ 10C

School _____ Class _____

SCORE: ..... Name _____ Date _____



Drawing Bar Graphs

The table below shows the number of students who use the mode of transportation to school. Draw a bar graph for the given data.

Transportation	Number of Students
motorcycle	23
train	75
bus	100
bicycle	50

Draw your graph here:

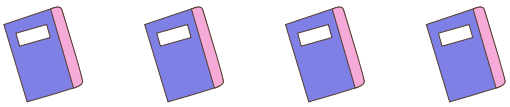
B3.3.4.1.1-2
QUIZ 10D

School _____ Class _____

SCORE: ..... Name _____ Date _____

PICTOGRAPH

Use the pictograph to answer the questions that follow.

BOOKS BORROWED IN THE LIBRARY	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

Legend:  = 5 books

1.What is the title of the pictograph?

_____

2. How many books were borrowed on Wednesday?

_____

3. What day has the highest number of books borrowed from the library?

_____

TEACHER: .....

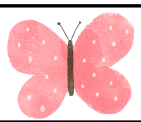
B3.3.4.1.1-2
QUIZ 10E

School _____ Class _____

SCORE: ..... Name _____ Date _____

COUNT AND GRAPH

Count the objects and color the graph accordingly.

9						
8						
7						
6						
5						
						

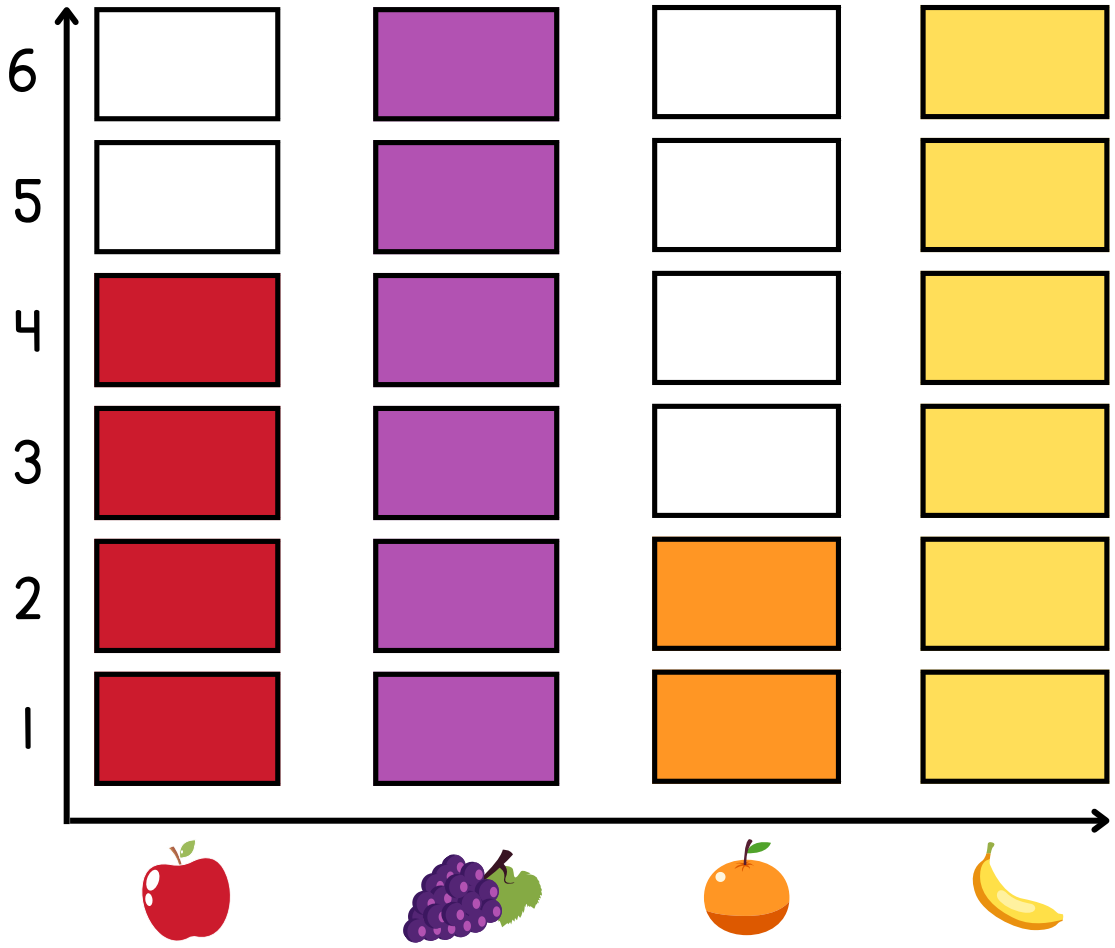
B3.3.4.1.1-2
QUIZ 10F

School _____ Class _____

SCORE: ..... Name _____ Date _____

Favourite Fruits

Look at the bar graph below. Use the graph to answer the questions.



How many people like apples? _____

How many people like grapes? _____

How many people like oranges? _____

How many people like bananas? _____

How many people like grapes more than oranges? _____

TEACHER: .....


abc