Mathematics Worksheets for Basic 1 Term 2

Developed for Primary Schools in Ghana

by
Richard Boateng, Sheena Lovia Boateng,
Joseph Budu, John Serbe-Marfo,
Obed Kwame Adzaku Penu and Pasty Asamoah

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Mathematics Worksheets for Basic 1 Term 2

Developed for Primary Schools in Ghana

Open Learning Platform for Primary Education

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Mathematics Worksheets for Basic 1 Term 2

: 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 1 or grade 1 learners in the second term of their grade level.

The book is filled with bright, engaging illustrations and simple, rhythmic text that makes learning to 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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Open Learning Platform for Primary Education

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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 1 Term 2

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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B1.1.2.2.2
QUIZ 1

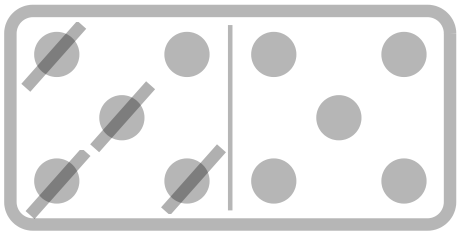
School _____ Class _____

SCORE: .....

Name _____ Date _____

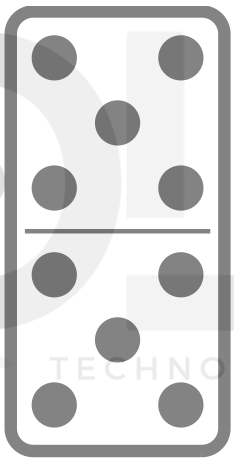
Relationship between Addition and Subtraction

10 - 4 = ☐

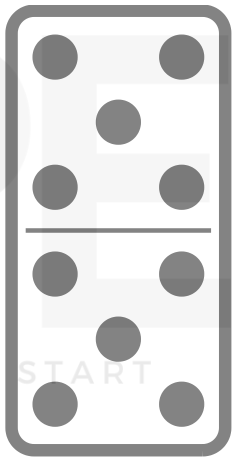


4 + ☐ = 10

8 - 2 = _____
5 - 1 = _____
9 - 7 = _____
4 - 0 = _____
3 - 2 = _____
10 - 5 = _____
10 - 9 = _____



_____ + 2 = 8
_____ + 1 = 5
_____ + 7 = 9
_____ + 0 = 4
_____ + 2 = 3
_____ + 5 = 10
_____ + 9 = 10



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Scribble Space

TEACHER: .....

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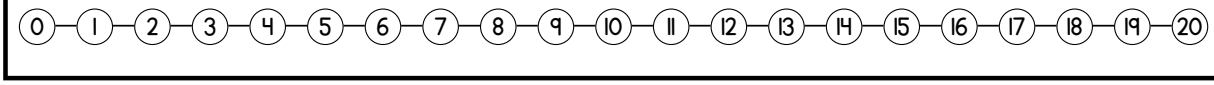
B1.1.2.2.2
QUIZ 2

School _____ Class _____

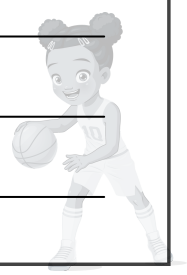
SCORE: .....

Name _____ Date _____

SUBTRACTION *from 20*



9 - 2 = _____	3 - 2 = _____	10 - 8 = _____
6 - 5 = _____	10 - 5 = _____	16 - 9 = _____
16 - 2 = _____	12 - 3 = _____	4 - 0 = _____
2 - 0 = _____	11 - 9 = _____	17 - 4 = _____
12 - 4 = _____	10 - 6 = _____	18 - 9 = _____
8 - 5 = _____	5 - 4 = _____	13 - 9 = _____
10 - 9 = _____	17 - 8 = _____	20 - 4 = _____
14 - 3 = _____	13 - 6 = _____	15- 3 = _____
11 - 9 = _____	14 - 7 = _____	18 - 0 = _____
17 - 9 = _____	19 - 9 = _____	11 - 6 = _____
12 - 1 = _____	19 - 12 = _____	18 - 12 = _____
6 - 6 = _____	6 - 3 = _____	13 - 6 = _____
8 - 7 = _____	14 - 4 = _____	18 - 17 = _____
13 - 2 = _____	20 - 5 = _____	19 - 14 = _____



TEACHER: .....

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B1.1.2.2.3
QUIZ 1

School _____ Class _____

SCORE: .....

Name _____ Date _____

Word Problems

Multistep Addition and Subtraction

Solve the word problems using drawings and a number sentence.

1. **12 balls were taken from a box and 6 balls were left in the box. How many balls were in the box at the start?**

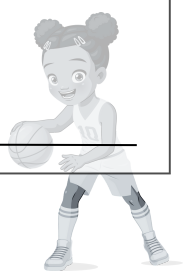
My drawing:	My equation: My answer: _____

2. **There were 7 students in the Basic 1 at the beginning of the year. By the end of the year there were 12. How many students joined Basic 1?**

My drawing:	My equation: My answer: _____

3. **The store in Kejetia received a box of 8 oranges. They already had 5 oranges. How many oranges do they have total?**

My drawing:	My equation: My answer: _____



TEACHER: .....

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B1.1.2.2.3
QUIZ 2

School _____ Class _____

SCORE: .....

Name _____ Date _____

Word Problems

Multistep Addition and Subtraction

Solve the word problems using drawings and a number sentence.

1. **5 pencils were taken from a box and 11 pencils were left in the box. How many pencils were in the box at the start?**

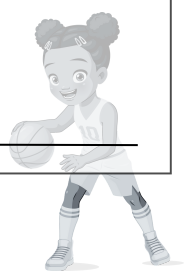
My drawing:	My equation: My answer: _____

2. **There were 7 students in the Basic 1 at the end of the year. At the beginning of the year there were 17. How many students left Basic 1?**

My drawing:	My equation: My answer: _____

3. **The store in Adum received a box of 13 tomatoes. They already had 5 tomatoes. How many tomatoes do they have total?**

My drawing:	My equation: My answer: _____



TEACHER: .....

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B1.1.2.3.1
QUIZ 1

School _____ Class _____

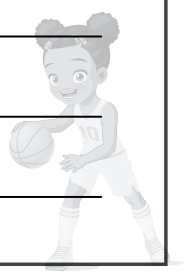
SCORE: .....

Name _____ Date _____

Addition and Subtraction
1 or 2 More or Less and Doubles

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2 - 1 = _____	2 - 2 = _____	10 + 10 = _____
2 + 1 = _____	2 + 2 = _____	9 + 9 = _____
3 - 1 = _____	3 - 2 = _____	8 + 8 = _____
3 + 1 = _____	3 + 2 = _____	7 + 7 = _____
4 - 1 = _____	4 - 2 = _____	6 + 6 = _____
4 + 1 = _____	4 + 2 = _____	5 + 5 = _____
5 - 1 = _____	5 - 2 = _____	4 + 4 = _____
5 + 1 = _____	5 + 2 = _____	3 + 3 = _____
6 - 1 = _____	6 - 2 = _____	2 + 2 = _____
6 + 1 = _____	6 + 2 = _____	1 + 1 = _____
7 - 1 = _____	7 - 2 = _____	
7 + 1 = _____	7 + 2 = _____	9 + 1 = _____
8 - 1 = _____	8 - 2 = _____	9 - 2 = _____
8 + 1 = _____	8 + 2 = _____	10 - 1 = _____
9 - 1 = _____	9 + 2 = _____	10 + 1 = _____



TEACHER: .....

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B1.1.2.3.1
QUIZ 1

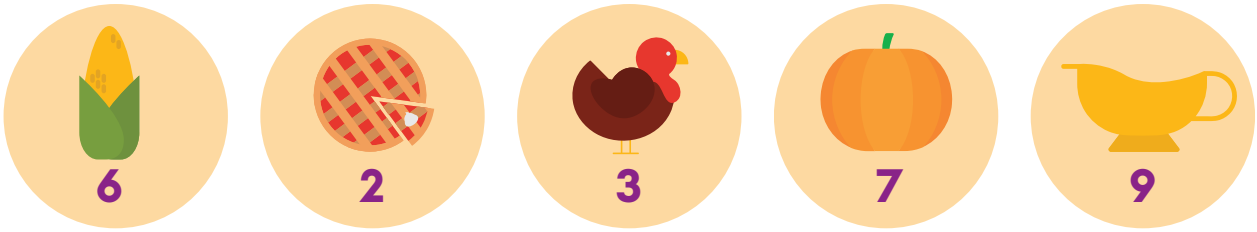
School _____ Class _____

SCORE: .....

Name _____ Date _____

IDENTIFY AND SOLVE

Instructions: Look at the key, then resolve the maths problems.



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1. + = ☐

2. + = ☐

3. + = ☐

4. - = ☐

5. - - = ☐

6. - - = ☐

7. + - + = ☐

8. + + - = ☐

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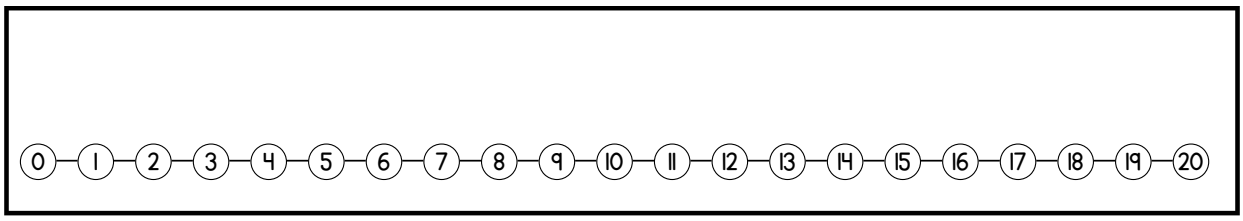
B1.1.2.3.1
QUIZ 3

School _____ Class _____

SCORE: .....

Name _____ Date _____

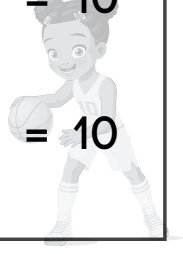
Addition and Subtraction
Identifying 5 or 10 less or more than a number



1 + 5 = _____
2 + 5 = _____
3 + 5 = _____
4 + 5 = _____
5 + 5 = _____
6 + 5 = _____
7 + 5 = _____
8 + 5 = _____
9 + 5 = _____
10 + 5 = _____
11 + 5 = _____
12 + 5 = _____
13 + 5 = _____
14 + 5 = _____
15 + 5 = _____

1 + 10 = _____
2 + 10 = _____
3 + 10 = _____
4 + 10 = _____
5 + 10 = _____
6 + 10 = _____
7 + 10 = _____
8 + 10 = _____
9 + 10 = _____
10 + 10 = _____
11 - 5 = _____
12 -5 = _____
13 - 5 = _____
14 - 5 = _____
15 - 5 = _____

10 + ☐ = 10
6 + ☐ = 10
3 + ☐ = 10
7 + ☐ = 10
2 + ☐ = 10
☐ - 9 = 10
☐ - 1 = 10
☐ - 4 = 10
☐ - 7 = 10



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B1.1.2.4.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

Addition and Subtraction

We can add and subtract within 20 by using mental strategies!

6 + 7 = _____ 19 - 4 = _____ 9 + 7 = _____

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Find the largest number

6 + 7 =

7... 8, 9, 10, 11, 12, 13

Count On

OR

Count Back

19 - 4 =

19... 18, 17, 16, 15

&

9 + 7 =

Make 10's

1 6

9 + 1 = 10

10 + 6 = 16

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B1.1.2.4.1
LEARN

School _____ Class _____

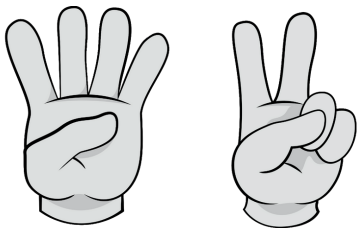
SCORE: .....

Name _____ Date _____

ADDITION STRATEGIES

I can use a variety of strategies to add.

I can use my fingers.



4 + 2 = 6

I can make ten.

5 + 7

(5 + 5) + 2

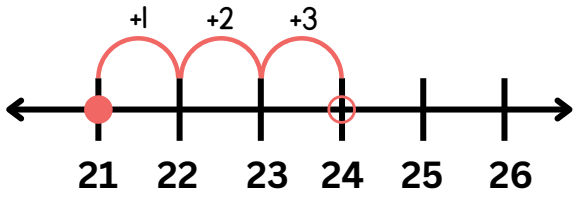
5 + 7 = 12

I can count on.

9, 10, 11, 12

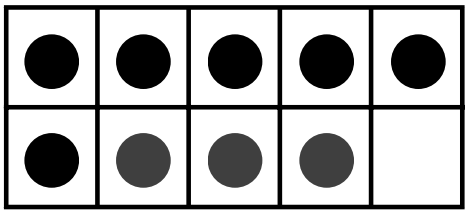
9 + 3 = 12

I can use a number line.



21 + 3 = 24

I can use a ten frame.



6 + 3 = 9

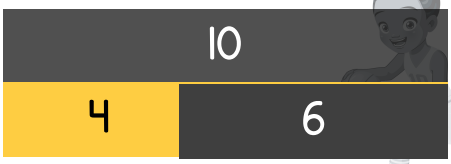
I can draw pictures.

5 + 3 = 8

I can use base ten blocks.

11 + 24 = 35

I can use part-part-whole.



4 + 6 = 10

TEACHER: .....

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B1.1.2.4.1
QUIZ 1

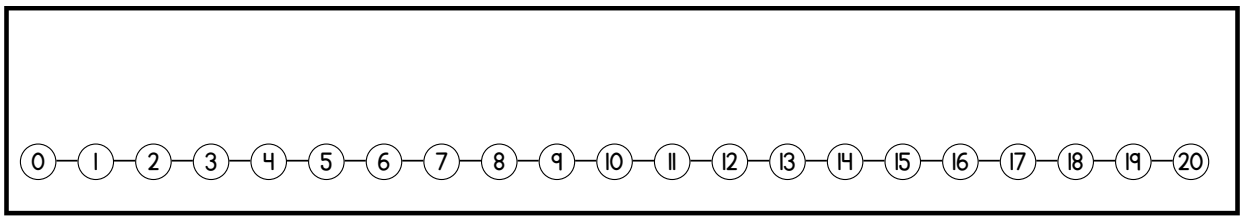
School _____ Class _____

SCORE: .....

Name _____ Date _____

Addition and Subtraction

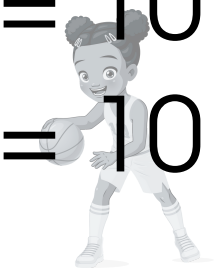
We can add and subtract within 10 by using mental strategies!



FRIENDS OF 10

Complete the problems to show the friends of 10.

$8 + \square = 10$	$0 + \square = 10$
$\square + 6 = 10$	$\square + 9 = 10$
$2 + \square = 10$	$7 + \square = 10$
$\square + 4 = 10$	$\square + 5 = 10$
$10 + \square = 10$	$3 + \square = 10$
$\square + 5 = 10$	$\square + 1 = 10$



TEACHER: .....

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B1.1.2.4.1
QUIZ 2

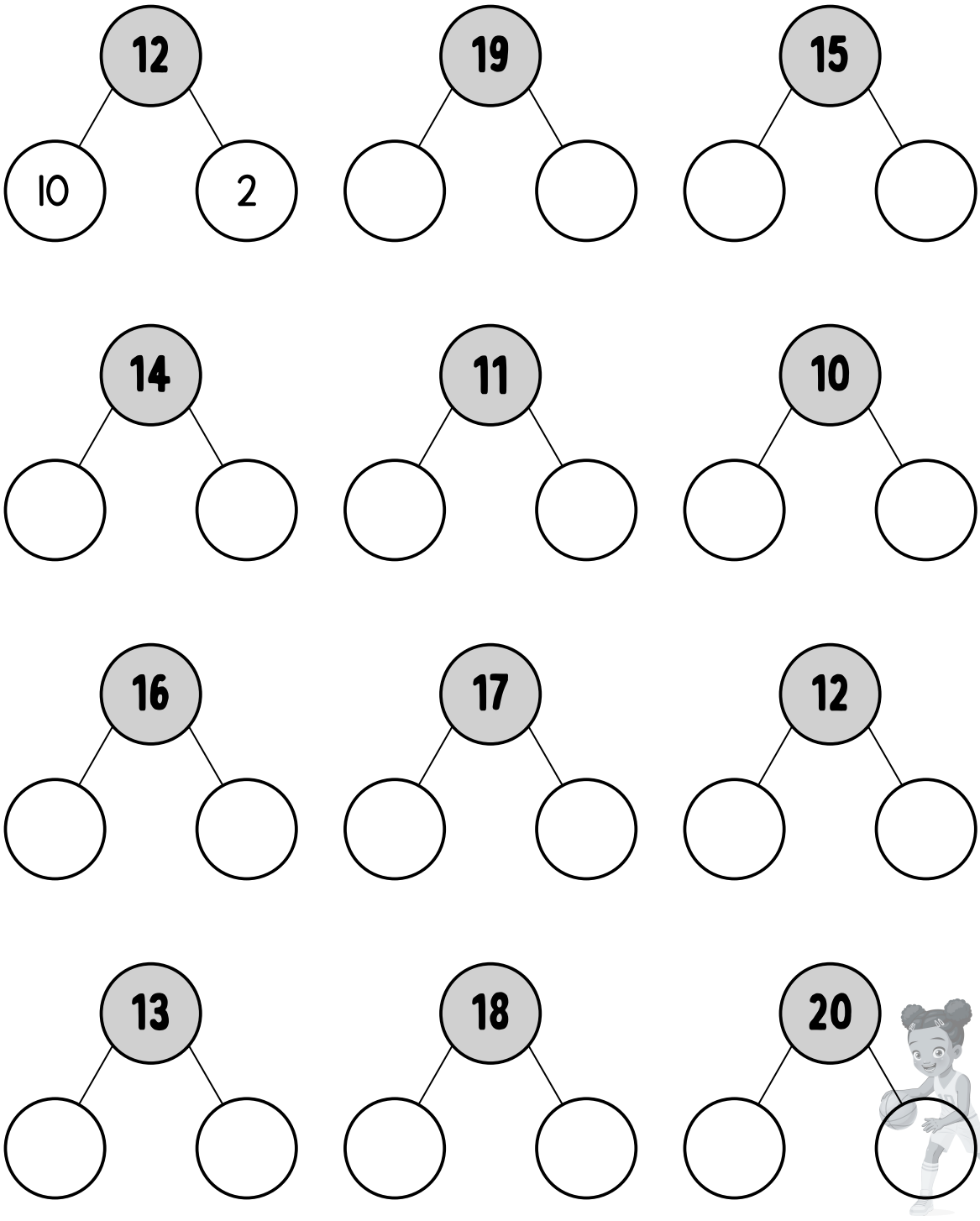
School _____ Class _____

SCORE: .....

Name _____ Date _____

DECOMPOSITION

Break these numbers down into tens and units:



TEACHER: .....

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B1.1.2.4.1
QUIZ 3

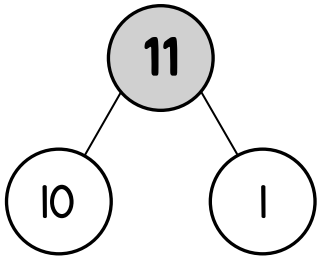
School _____ Class _____

SCORE: .....

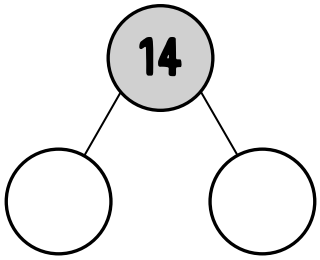
Name _____ Date _____

NUMBER BONDS

Break these numbers down into tens and units
then write the number sentence:



10 + 1 = 11



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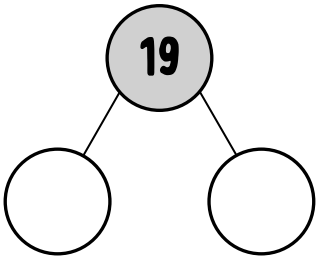

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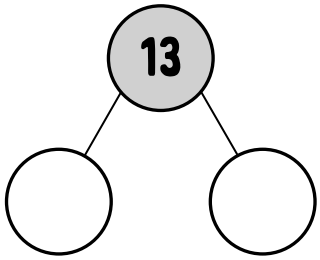

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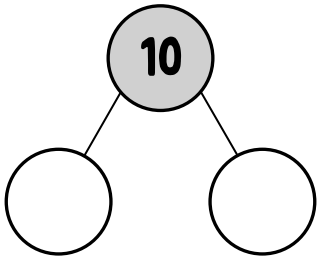

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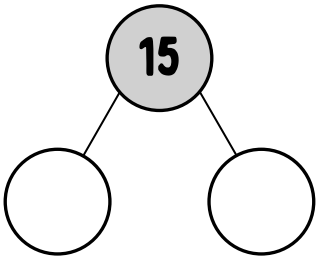

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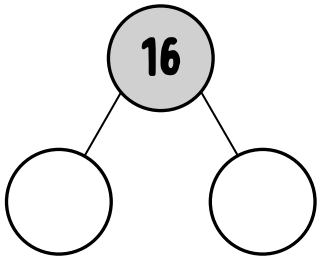

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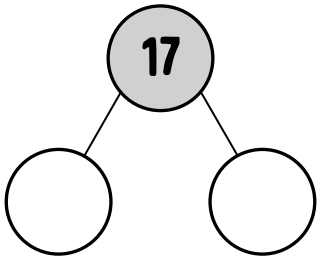

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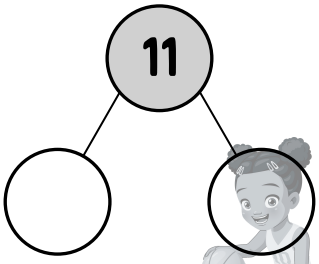

_____

TEACHER: .....

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B1.1.2.4.1
QUIZ 4

School _____ Class _____

SCORE: .....

Name _____ Date _____

DECOMPOSITION

How many different ways can you make 5?

2 + 3 = 5 or 13 - 8 = 5

_____

_____

_____

_____

TEACHER: .....

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B1.1.2.4.1
QUIZ 5

School _____ Class _____

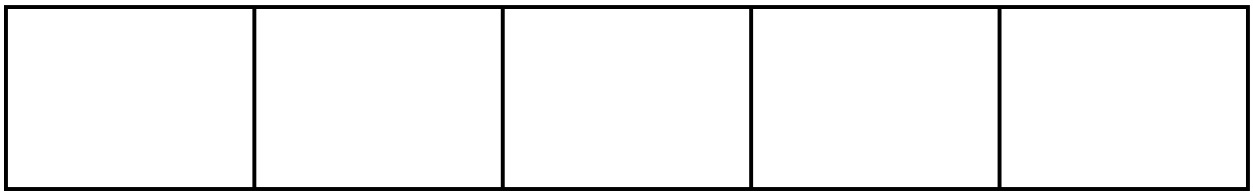
SCORE: .....

Name _____ Date _____

DECOMPOSITION

How many different ways can you make 10?

2 + 8 = 10 or 11 - 1 = 10



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_____

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_____

TEACHER: .....

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B1.1.2.4.1
QUIZ 6

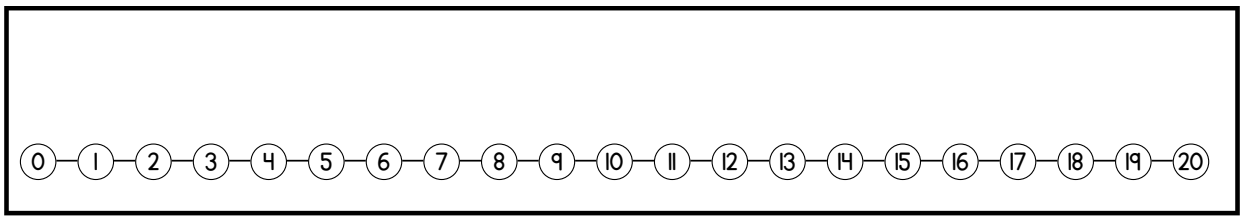
School _____ Class _____

SCORE: .....

Name _____ Date _____

Addition and Subtraction

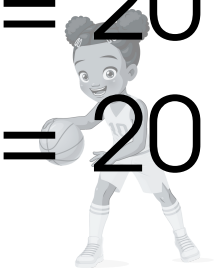
We can add and subtract within 10 by using mental strategies!



FRIENDS OF 20

Complete the problems to show the friends of 20.

$8 + \square = 20$	$17 + \square = 20$
$\square + 6 = 20$	$\square + 9 = 20$
$2 + \square = 20$	$7 + \square = 20$
$\square + 14 = 20$	$\square + 11 = 20$
$10 + \square = 20$	$3 + \square = 20$
$\square + 5 = 20$	$\square + 1 = 20$



TEACHER: .....

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B1.1.2.4.2
QUIZ 8

School _____ Class _____

SCORE: .....

Name _____ Date _____

Word Problems

Addition and Subtraction

Solve the word problems using number sentences.

1. **Kojo gave Esi 20 books. Esi gave 4 books back to Kojo. How many books does Esi have now?**

My equation:	**My answer:** _____

2. **Kojo gave Esi 20 books. Esi gave 4 books back to Kojo. How many books does Kojo have now?**

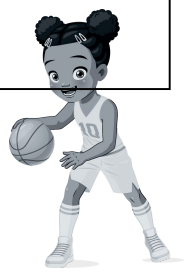
My equation:	**My answer:** _____

3. **Kojo gave Esi 20 books. Esi gave 4 books back to Kojo. How many books does Kojo and Esi have in total now?**

My equation:	**My answer:** _____

4. **Kojo gave Esi 20 books. Esi gave 4 books back to Kojo. How many books does Esi have more than Kojo?**

My equation:	**My answer:** _____



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B1.1.2.4.2
QUIZ 7

School _____ Class _____

SCORE: .....

Name _____ Date _____

Word Problems

Addition and Subtraction

Solve the word problems using number sentences.

1. **Abena gave Akua 10 oranges. Akua gave 2 oranges back to Abena. How many oranges does Akua have now?**

My equation:	My answer: _____

2. **Abena gave Akua 10 oranges. Akua gave 2 oranges back to Abena. How many oranges does Abena have now?**

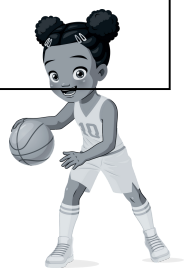
My equation:	My answer: _____

3. **Abena gave Akua 10 oranges. Akua gave 2 oranges back to Abena. How many books does Abena and Akua have in total now?**

My equation:	My answer: _____

4. **Abena gave Akua 10 oranges. Akua gave 2 oranges back to Abena. How many oranges does Akua have more than Abena?**

My equation:	My answer: _____



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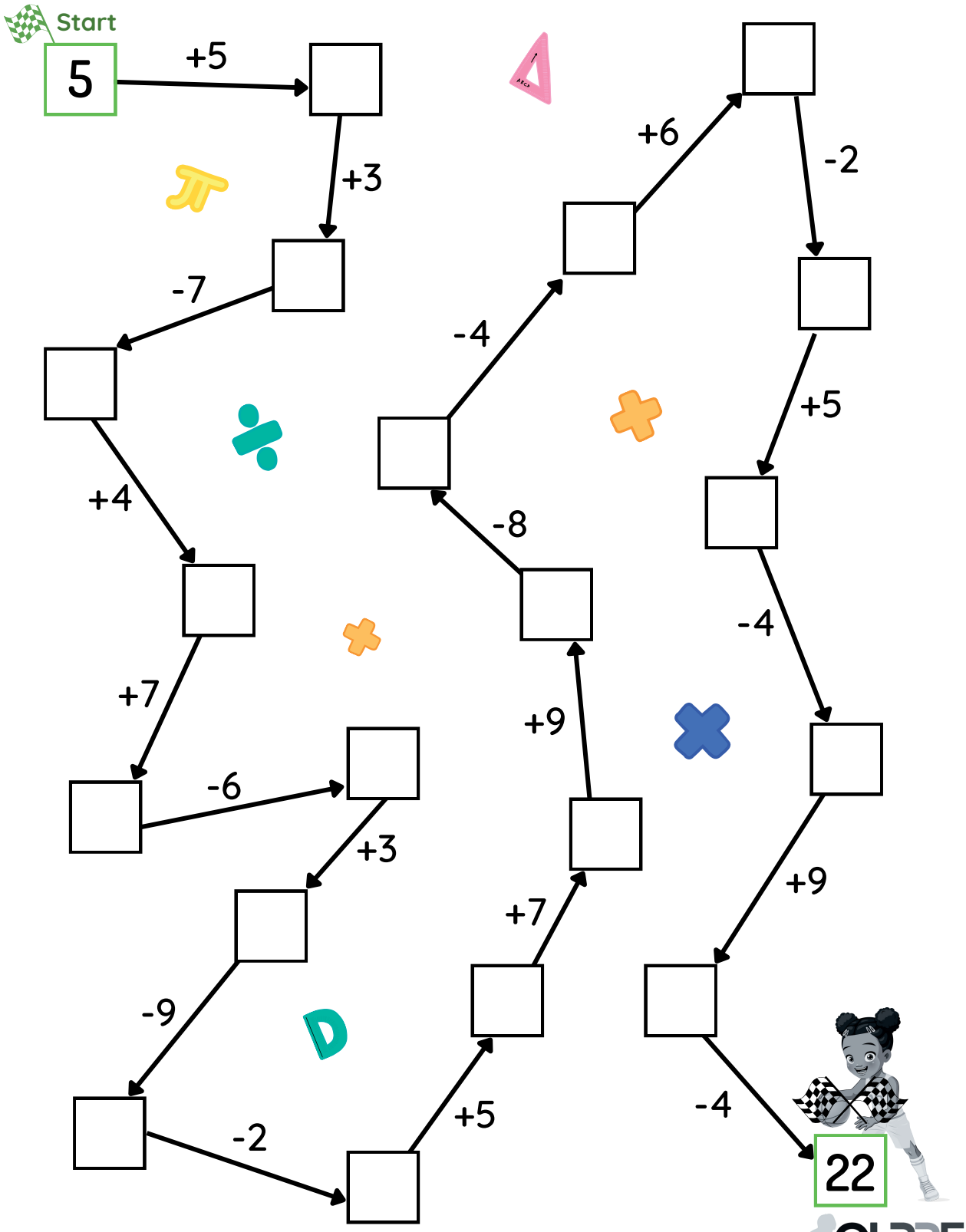
B1.1.2.4.2
QUIZ 8

School _____ Class _____

SCORE: ..... Name _____ Date _____

Step by Step Calculation

Find the empty boxes in the puzzle by calculating



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B1.1.3.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

Fractions

Learn the Fractions

1 WHOLE

$\frac{1}{2}$	$\frac{1}{2}$

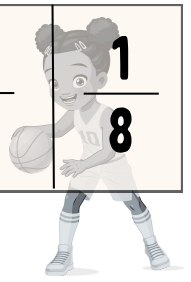
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$



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B1.1.3.1.1
QUIZ 1

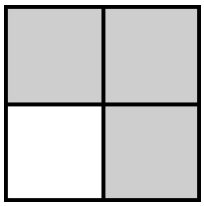
School _____ Class _____

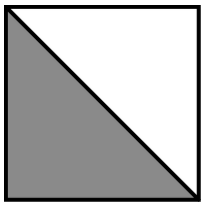
SCORE: .....

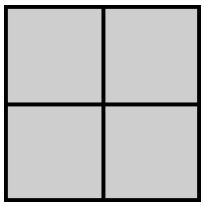
Name _____ Date _____

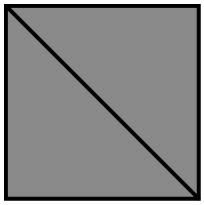
Fractions

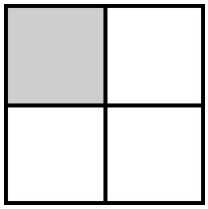
Identify the Fractions

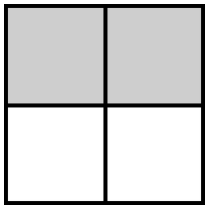
What fraction?	
	one fourth
	two fourths
	three fourths

What fraction?	
	one half
	one third
	one fourth

What fraction?	
	one half
	one whole
	two fourths

What fraction?	
	one half
	one whole
	one third

What fraction?	
	one half
	one third
	one fourth

What fraction?	
	one half
	one fourth
	one third

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B1.1.3.1.2
QUIZ 1

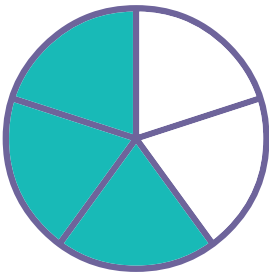
School _____ Class _____

SCORE: .....

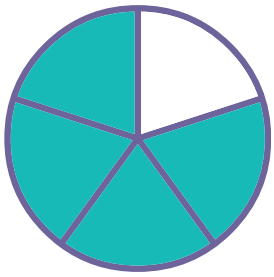
Name _____ Date _____

Fractions

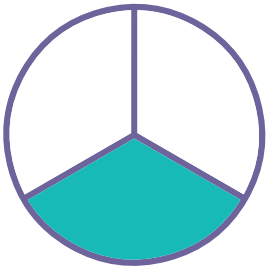
Write the fraction for the shaded area of each shape.



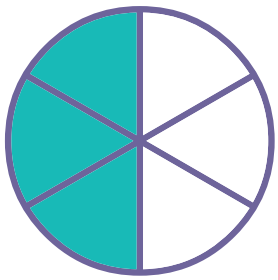
(example) $= \frac{3}{5}$



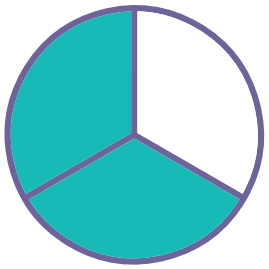
$= \frac{\quad}{\quad}$



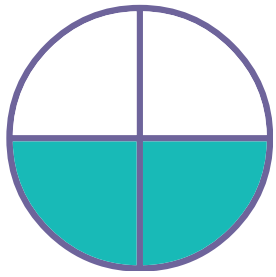
$= \frac{\quad}{\quad}$



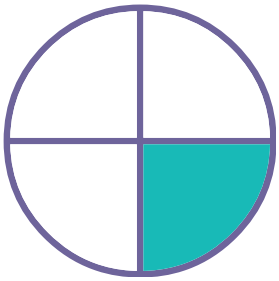
$= \frac{\quad}{\quad}$



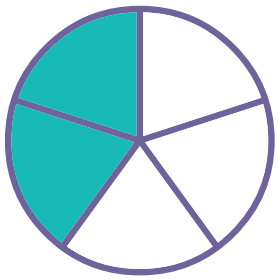
$= \frac{\quad}{\quad}$



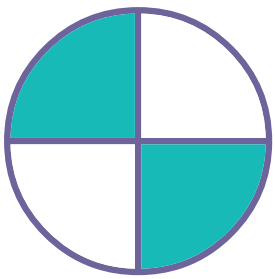
$= \frac{\quad}{\quad}$



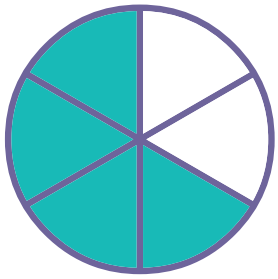
$= \frac{\quad}{\quad}$



$= \frac{\quad}{\quad}$



$= \frac{\quad}{\quad}$



$= \frac{\quad}{\quad}$

TEACHER: .....

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B1.1.3.1.2
QUIZ 2

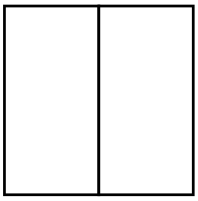
School _____ Class _____

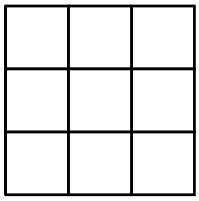
SCORE: .....

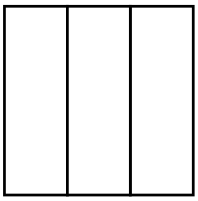
Name _____ Date _____

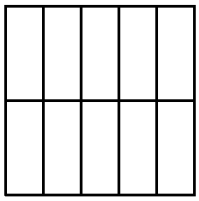
Fractions

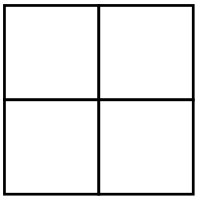
Shade the parts according to the fraction.

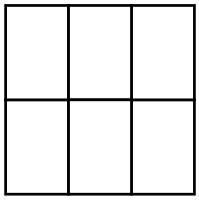
$\frac{1}{2}$ 

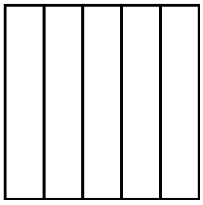
$\frac{3}{9}$ 

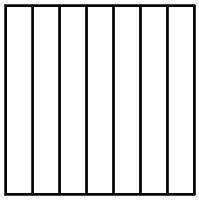
$\frac{2}{3}$ 

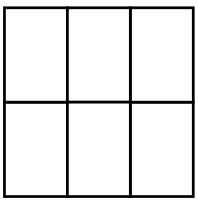
$\frac{5}{10}$ 

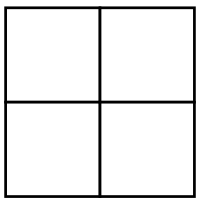
$\frac{3}{4}$ 

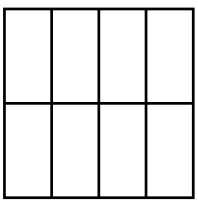
$\frac{5}{6}$ 

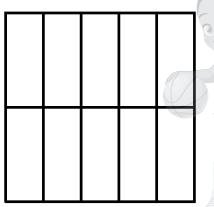
$\frac{1}{5}$ 

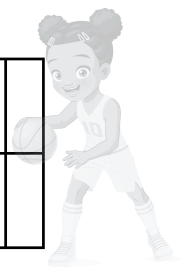
$\frac{4}{7}$ 

$\frac{3}{6}$ 

$\frac{2}{4}$ 

$\frac{5}{8}$ 

$\frac{3}{10}$ 



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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

1 Pesewa Coin

10 Pesewas Coin

20 Pesewas Coin

50 Pesewas Coin

1 Cedi Note

1 Cedi Coin

2 Cedis Coin

TEACHER: .....

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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

5 Cedis Note

10 Cedis Note

20 Cedis Note

TEACHER: .....

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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

50 Cedis Note

100 Cedis Note

200 Cedis Note

TEACHER: .....

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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

10 One Pesewa Coins

=

10 Pesewas Coin

TEACHER: .....

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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

10

Ten Pesewa Coins

=

1 Cedi Coin

1 Cedi Note

TEACHER: .....

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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

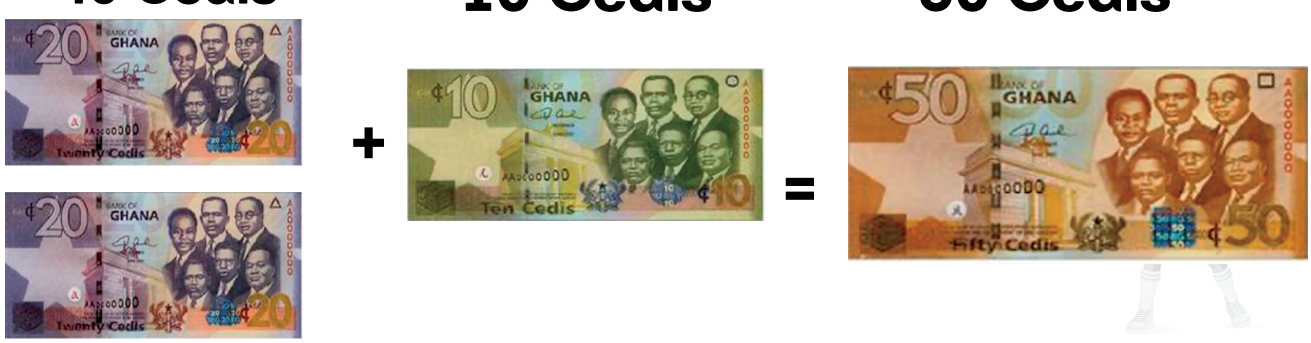
Money used in Ghana

5 Cedis + 5 Cedis = 10 Cedis

10 Cedis + 10 Cedis = 20 Cedis

20 Cedis + 20 Cedis = 40 Cedis

40 Cedis + 10 Cedis = 50 Cedis



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B1.1.4.1.1
LEARN

School _____ Class _____

SCORE: .....

Name _____ Date _____

MONEY

Money used in Ghana

50 Cedis + **50 Cedis** = **100 Cedis**

+

=

100 Cedis + **100 Cedis** = **200 Cedis**

+

=

100 Cedis + **100 Cedis** = **200 Cedis**

+

=

TEACHER: .....

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EXTRA LEARN

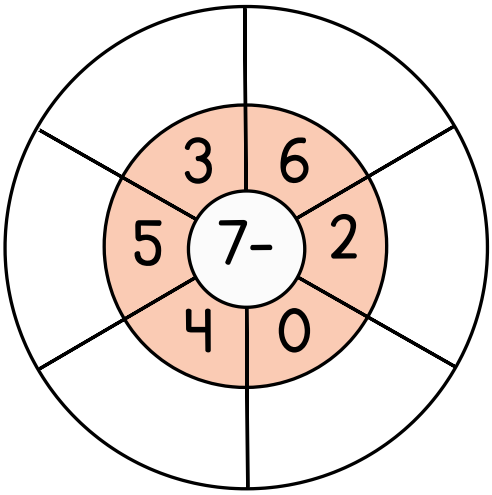
School _____ Class _____

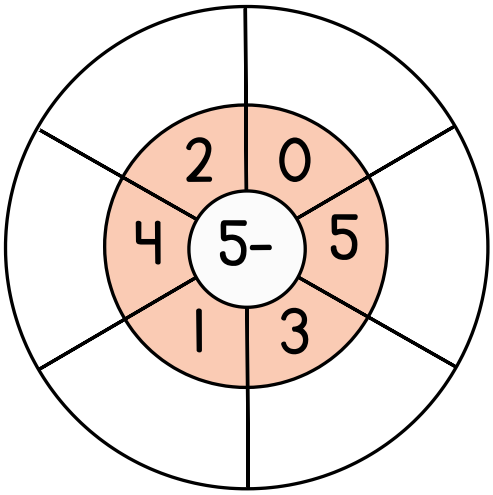
SCORE: .....

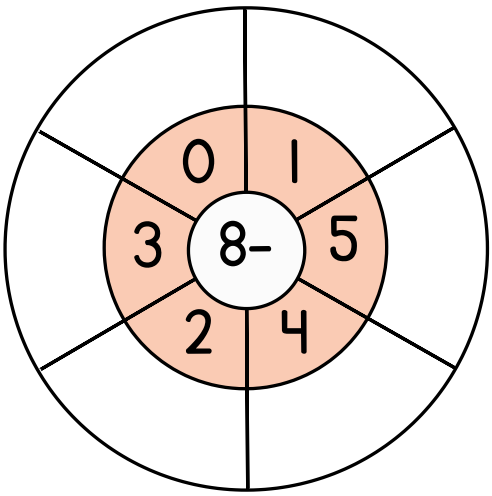
Name _____ Date _____

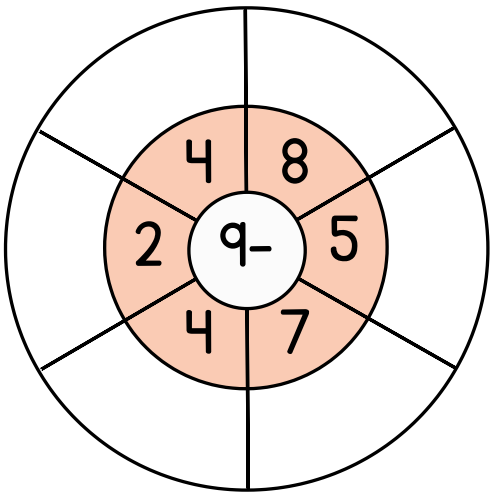
SUBTRACTION WHEEL

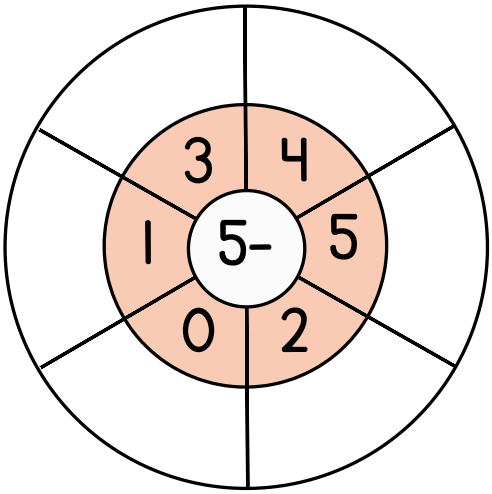
Complete the sums mentally:

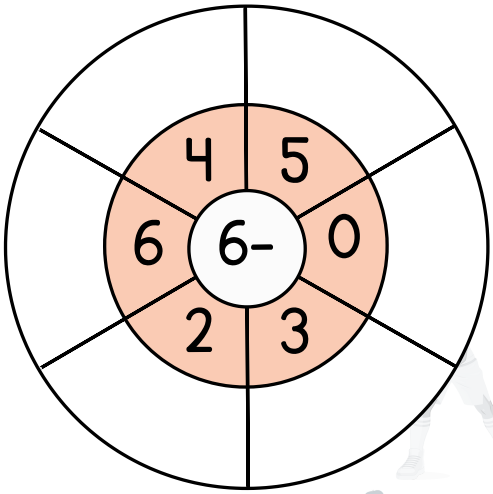












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Mathematics Worksheets for Basic 1 Term 2

: 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 1 or grade 1 learners in the second term of their grade level.

The book is filled with bright, engaging illustrations and simple, rhythmic text that makes learning to 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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