

**A.W. James Elementary
School**

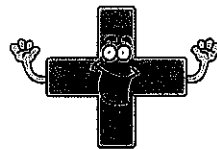
Math

**Independent Learning
Packets**

Grade 2

Student Name _____

Name _____

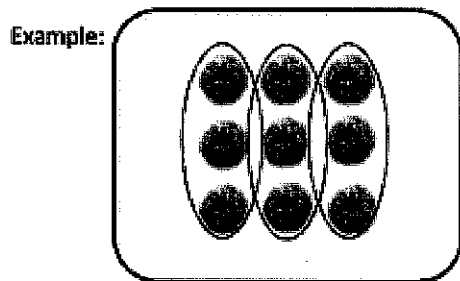


Day 1, Week 2

Adding with Arrays

2.OA.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

Bob the baker needs help counting the cookies on each cookie sheet. Use repeated addition to write an equation to show how many cookies are on each cookie sheet. Circle columns of cookies.



$3 + 3 + 3 = 9$

<p>1.</p> <p>_____</p>	<p>2.</p> <p>_____</p>
<p>3.</p> <p>_____</p>	<p>4.</p> <p>_____</p>

Name _____



Day 1, Week 2

Addition Practice

Directions: Write the sum of each equation.

2.NBT.5 *Fluently* add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

$$\begin{array}{r} 45 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +52 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ +70 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +82 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ +26 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +61 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +53 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ +12 \\ \hline \end{array}$$

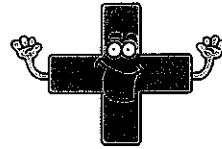
$$\begin{array}{r} 82 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ +14 \\ \hline \end{array}$$

Name _____



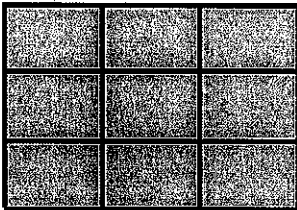
Day 2, Week 2

Practice with Arrays

2.OA.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

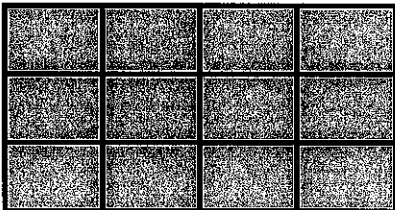
Use repeated addition to write an equation to show how many shaded boxes are shown by the arrays.

Example:

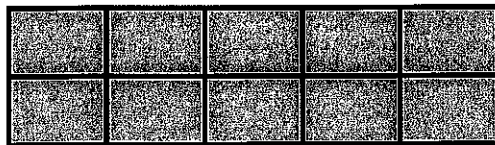


$3 + 3 + 3 = 9$

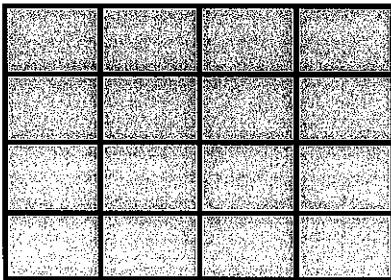
1.



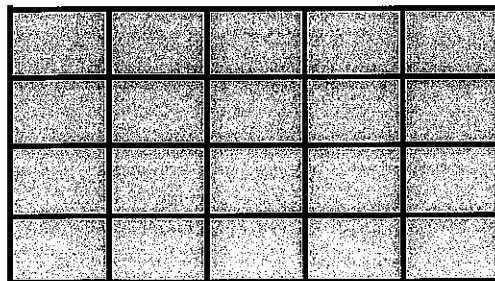
2.



3.



4.



Name _____



Day 2, Week 2

Sum It Up

Directions: Write the sum of each equation.

2.NBT.5 *Fluently* add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

$$\begin{array}{r} 13 \\ +57 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ +39 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +45 \\ \hline \end{array}$$

Name _____

Day 3, Week 2

Problem Solving



Directions: Read the examples and answer the questions.

2.OA.1 Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

1. Kimi had some stickers. Her friend gave her 20 more stickers. Now Kimi has 73 stickers. How many stickers did Kimi start with?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

_____ stickers

2. Sam found 24 seashells. Steve also found some seashells. They found 67 seashells altogether. How many seashells did Steve find?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

_____ seashells

3. There were 23 students on the playground. 24 more students went to the playground. How many students are there now?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

_____ students

Name _____



Day 3, Week 2

What's the Difference?

Directions: Write the difference of each equation.

2.NBT.5 *Fluently* add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

1.	$\begin{array}{r} 93 \\ - 16 \\ \hline \end{array}$	2.	$\begin{array}{r} 38 \\ - 19 \\ \hline \end{array}$
3.	$\begin{array}{r} 58 \\ - 49 \\ \hline \end{array}$	4.	$\begin{array}{r} 37 \\ - 28 \\ \hline \end{array}$
5.	$\begin{array}{r} 83 \\ - 67 \\ \hline \end{array}$	6.	$\begin{array}{r} 30 \\ - 27 \\ \hline \end{array}$
7.	$\begin{array}{r} 47 \\ - 29 \\ \hline \end{array}$	8.	$\begin{array}{r} 92 \\ - 87 \\ \hline \end{array}$
9.	$\begin{array}{r} 46 \\ - 37 \\ \hline \end{array}$	10.	$\begin{array}{r} 30 \\ - 24 \\ \hline \end{array}$

Name _____



Day 4, Week 2

Problem Solver

Directions: Read the examples and answer the questions.

2.OA.1 Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

1. Kimi had 73 stickers. She gave her friend 31 stickers. How many stickers does Kimi have left?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

_____ stickers

2. Sam found 24 seashells. He gave some seashells away. Now Sam has 11 seashells left. How many seashells did Sam give away?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

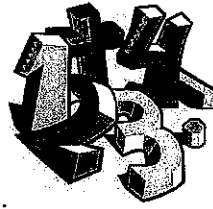
_____ seashells

3. Bob had some pennies. He gave his sister 43 pennies. Now Bob has 22 pennies. How many pennies did Bob start with?

Write and solve an equation to show this problem. Use a symbol for the unknown number.

_____ pennies

Name _____



Watch for Signs!

Directions: Write the sum or difference of each equation.

$$\begin{array}{r} 29 \\ +46 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ -49 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +26 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ -29 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -28 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ +17 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ -19 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ +19 \\ \hline \end{array}$$