One Step Multiplication Word Problems Level 2

Helps Students to Visualize & Understand How and Why Multiplication Works

Using Products of 100 or Less

- **Groups Of**
- **An Array**
- **Equation**
- **Number Lines**
- **A Sentence**
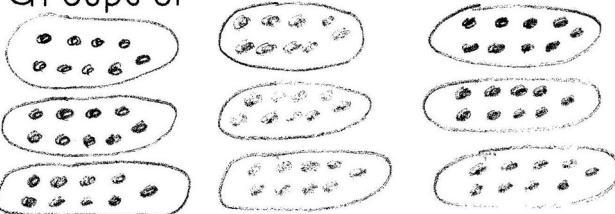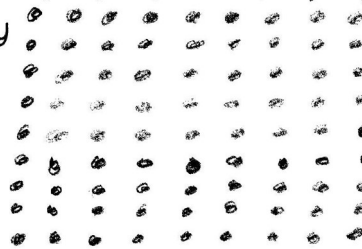
Name _____ Date _____ Level 1 # 3   3.OA.3

Naomi planted 9 rows of roses. She planted 9 roses in each row. How many roses did she plant altogether?

Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

Learning Engineer

This set includes twelve multiplication problems. For each problem students will show the answer as groups of, an array, jumps on a number line, an equation and in a sentence.

Using multiple strategies to find and show the answer helps students to visualize and understand how and why multiplication works.

These come with two versions of number lines. One with numbers and one without for students to fill out.

All the problems in this set have products of 100 or less. There are three problems where students need to find the missing factor.

Developing understanding of multiplication strategies is one of the four critical areas for third grade math instruction according to the Common Core standards. The standards expect students to solve word problems using equal groups, arrays, drawings and equations (3.OA.A3). These word problems will help students meet this standard while preparing them to use the area model later on. Plus, they have some cute graphics and my kids really enjoy doing them!

The next two pages show examples of completed worksheets.

Each problem comes with number lines that count by 5's and an open number line.

Name **Max**   Date **11/29/17**   Level 2 # 3   3.OA.3

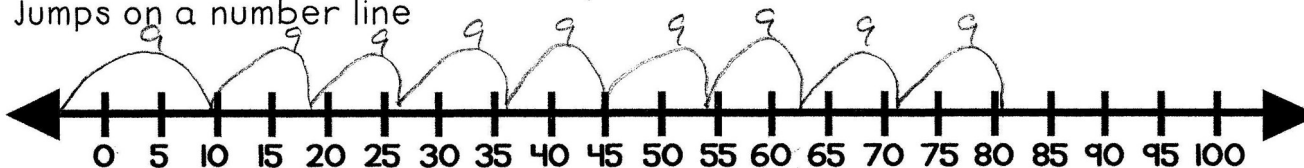Naomi planted 9 rows of roses. She planted 9 roses in each row. How many roses did she plant altogether?

Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

$$9 \times 9 = 81$$

The answer in a complete sentence.

Naomi planted 81 roses altogether.

This is the open number line for students to fill in.

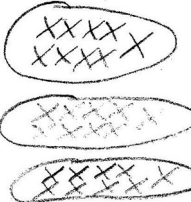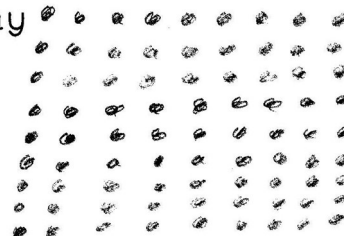Name Max   Date 11/29/17   Level 2   # 3   3.OA.3

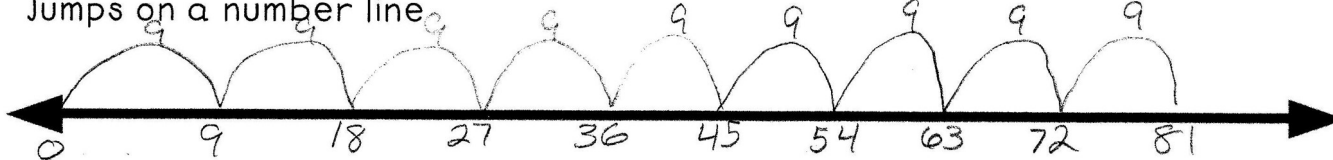Naomi planted 9 rows of roses. She planted 9 roses in each row. How many roses did she plant altogether?

Groups of

An Array

Jumps on a number line

9 9 9 9 9 9 9 9 9

0   9   18   27   36   45   54   63   72   81

Equation

$$9 \times 9 = 81$$

The answer in a complete sentence.

Naomi planted 81 roses altogether.

Name _____ Date _____ Level 2 # 1

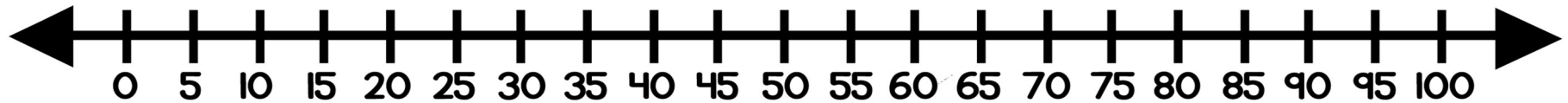Bailey made 5 bracelets. Each bracelet has 12 beads.
How many beads did Baily use?
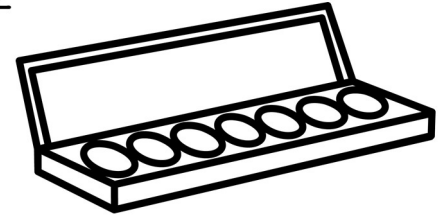
Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____
_____

Name _____ Date _____ Level 2 # 1

Bailey made 5 bracelets. Each bracelet has 12 beads.
How many beads did Baily use?

Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
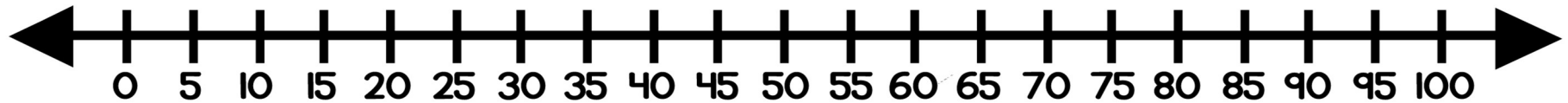
_____
_____

Name _____ Date _____ Level 2 # 2

The art teacher bought 56 watercolor paint sets. The sets come 8 to a box. How many boxes did she buy?

Groups of

An Array

Jumps on a number line

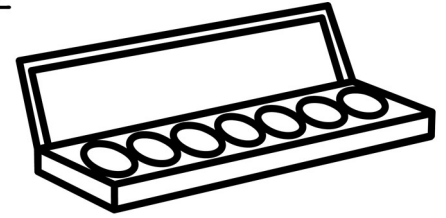0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 2

The art teacher bought 56 watercolor paint sets. The sets come 8 to a box. How many boxes did she buy?

Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
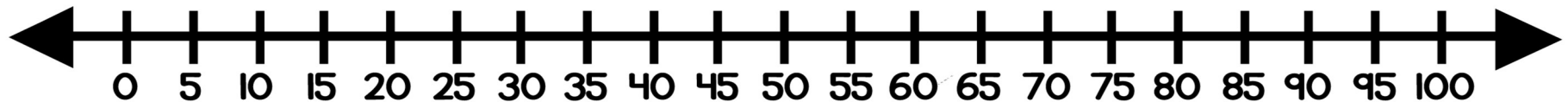
_____

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Name _____ Date _____ Level 2 # 3

Naomi planted 9 rows of roses. She planted 9 roses in each row. How many roses did she plant altogether?

Groups of

An Array

Jumps on a number line

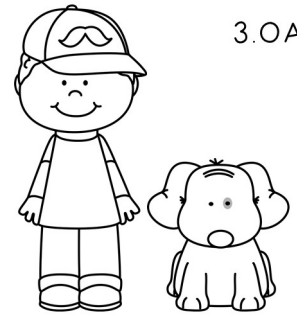0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____
_____

Name _____ Date _____ Level 2 #3

Naomi planted 9 rows of roses. She planted 9 roses in each row. How many roses did she plant altogether?

Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
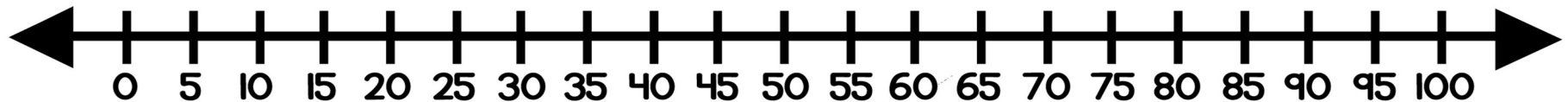
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Name _____ Date _____ Level 2 # 4

Brayden saw 13 dogs at the park. Each dog had 4 legs. How many legs altogether?
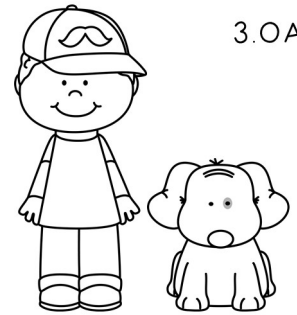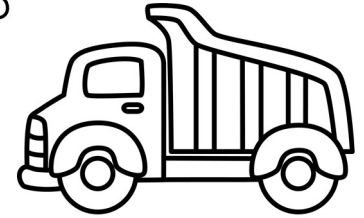
Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 4

Brayden saw 13 dogs at the park. Each dog had 4 legs.
How many legs altogether?

Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
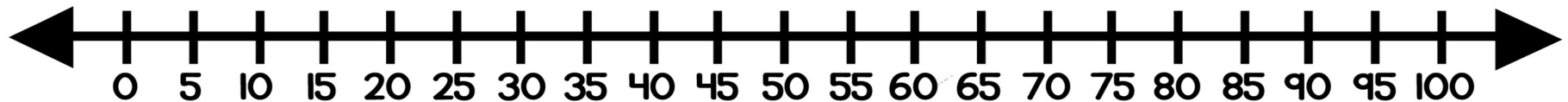
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Name _____ Date _____ Level 2 # 5

Manpreet bought 8 bags of toys. There were 8 toys in each bag. How many toys did she buy altogether?
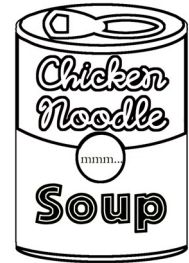
Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____
_____

Name _____ Date _____ Level 2 # 5

Manpreet bought 8 bags of toys. There were 8 toys in each bag. How many toys did she buy altogether?

Groups of

An Array

Jumps on a number line

Equation

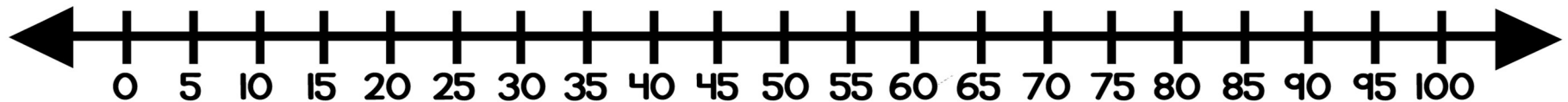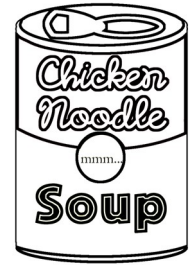The answer in a complete sentence.

_____
_____

Name _____ Date _____ Level 2 # 6

Jennifer brought 60 cans for the canned food drive. She put equal amounts of cans into 6 bags. How many cans did she put in each bag?

Chicken Noodle
mmm...
Soup

Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 6

Chicken Noodle mmm... Soup

Jennifer brought 60 cans for the canned food drive. She put equal amounts of cans into 6 bags. How many cans did she put in each bag?
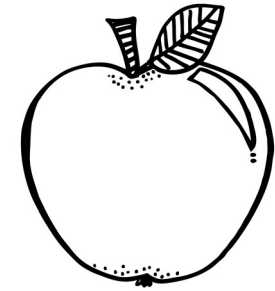
Groups of

An Array

Jumps on a number line

Equation
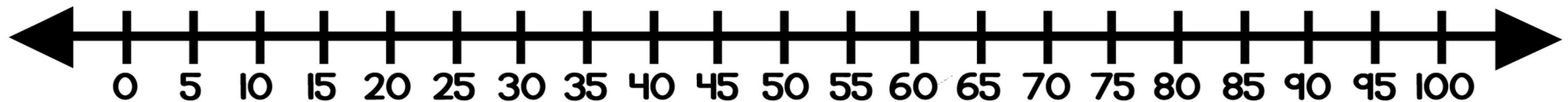
The answer in a complete sentence.

_____
_____

3.OA.3

Ahmed bought 5 apples. Each apple had 11 seeds in it. How many seeds were there altogether?
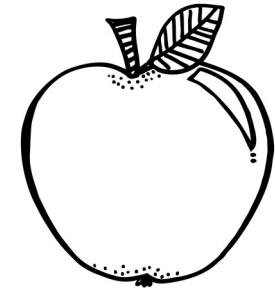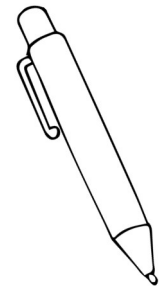
Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 7

Ahmed bought 5 apples. Each apple had 11 seeds in it.
How many seeds were there altogether?

Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
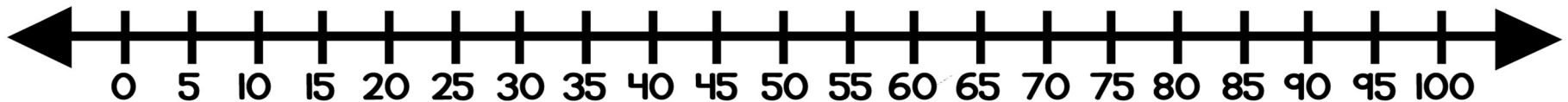
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Name _____ Date _____ Level 2 # 8

Isaac bought 9 packages of pens. Each package had 7 pens. How many pens did Isaac buy?
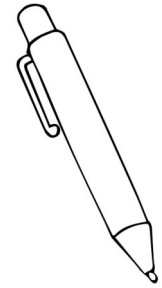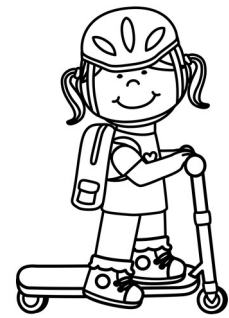
Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 8

Isaac bought 9 packages of pens. Each package had 7 pens. How many pens did Isaac buy?

Groups of

An Array

Jumps on a number line

⟵――――――――――――――⟶

Equation

The answer in a complete sentence.

_____
_____
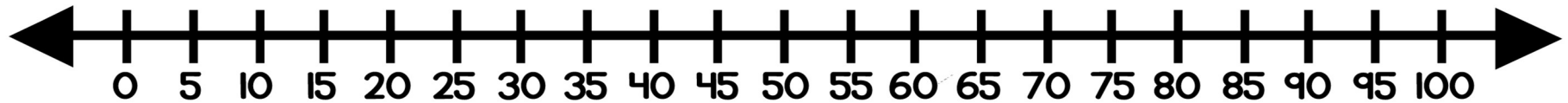
Name _____ Date _____ Level 2 # 9

Collette likes to ride her scooter. She rides her scooter for 8 hours every week. How many hours did she ride her scooter in 9 weeks?

Groups of

An Array

Jumps on a number line

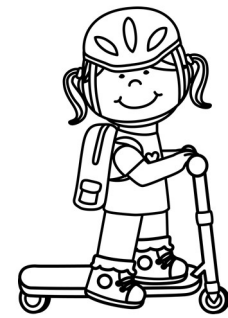0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2 # 9

Collette likes to ride her scooter. She rides her scooter for 8 hours every week. How many hours did she ride her scooter in 9 weeks?
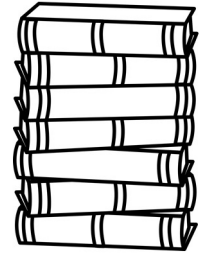
Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.
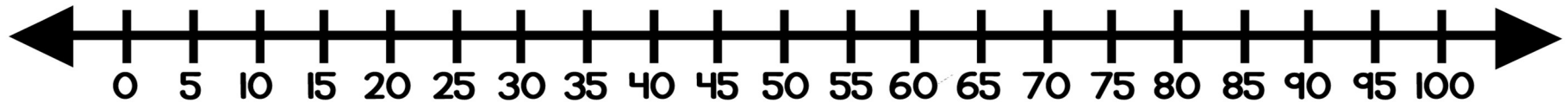
_____
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Name _____ Date _____ Level 2 # 10

Mia paid $66.00 to buy 11 books. The books all cost the same amount. How much did each book cost?

Groups of

An Array

Jumps on a number line

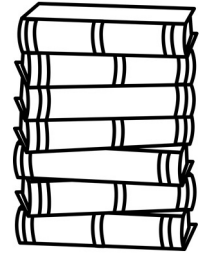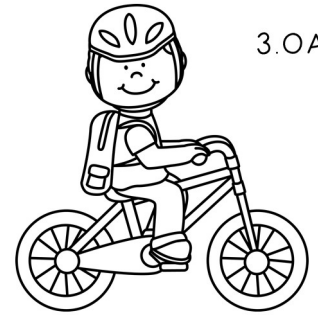0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Name _____ Date _____ Level 2   # 10

Mia paid $66.00 to buy 11 books. The books all cost the same amount. How much did each book cost?

Groups of

An Array

Jumps on a number line

⟵————————————————————⟶

Equation

The answer in a complete sentence.
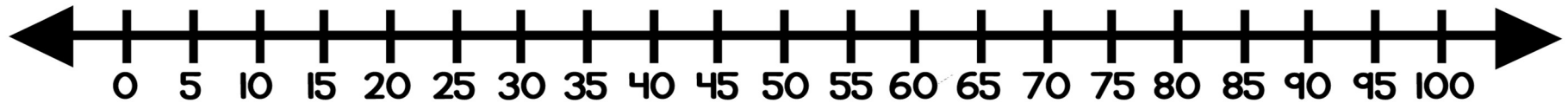
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Name _____ Date _____ Level 2 # 11

Kevin loves to ride his bike. He rode his bike 6 miles every day for 9 days. How many miles did he ride in all?

Groups of

An Array

Jumps on a number line

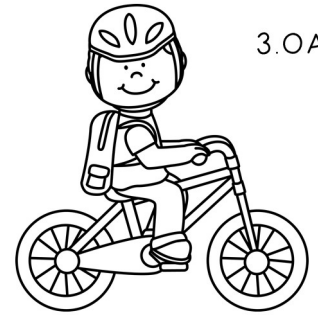0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Kevin loves to ride his bike. He rode his bike 6 miles every day for 9 days. How many miles did he ride in all?

Groups of

An Array
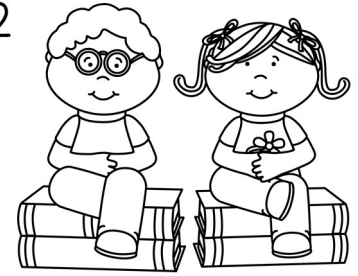
Jumps on a number line

Equation

The answer in a complete sentence.
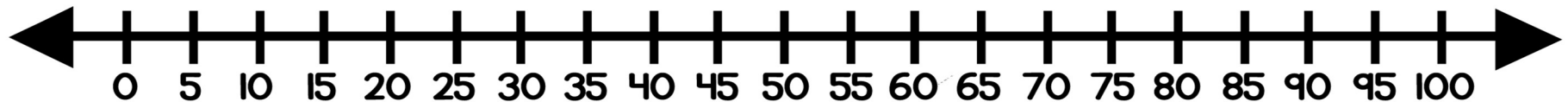
_____

Name _____ Date _____ Level 2 # 12

Mike has 8 books. Sophia has 10 times as many books as Mike. How many books does Sophia have?

Groups of

An Array

Jumps on a number line

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Equation

The answer in a complete sentence.

_____

_____

Mike has 8 books. Sophia has 10 times as many books as Mike. How many books does Sophia have?
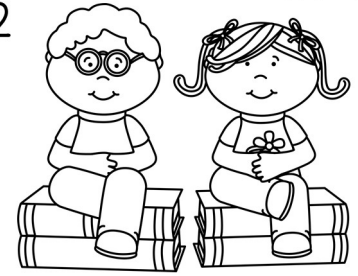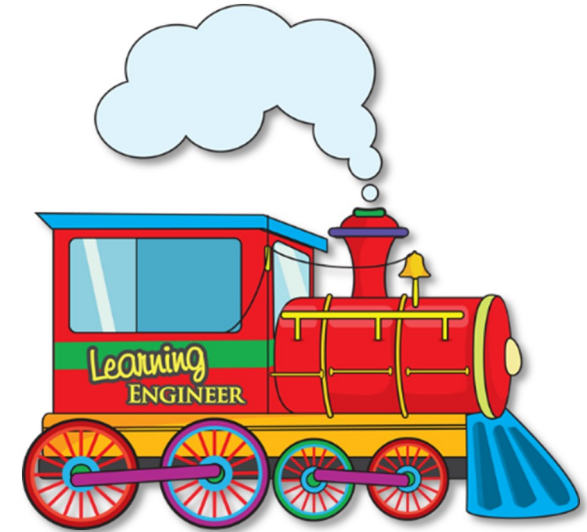
Groups of

An Array

Jumps on a number line

Equation

The answer in a complete sentence.

_____

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