Name: _____

Ready to make equations? There is a missing equation in each box.
Circle the numbers once you find it!

A

	57	71	30
-	80	88	82
	64	36	97
	26	49	69

Find a subtraction fact.

B

	29	33	3
-	37	54	69
	92	77	11
	34	13	86

Find a subtraction fact.

C

	9	74	12
-	61	60	64
	20	7	89
	24	43	86

Find a subtraction fact.

Equations:
Write the equation facts you found.

A	97	-	26	=	71
B		-		=	3
C		-		=	74

Change to percents.

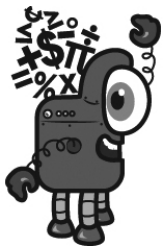
$\frac{64}{100}$ =
$\frac{2}{10}$ =
$\frac{13}{100}$ =
$\frac{40}{100}$ =
$\frac{21}{100}$ =
$\frac{82}{100}$ =

Subtract 22 from 356.

Write the decimal in words.
7.07

Name: _____

Mental Math — #1 —



☼ Start with the number 315. **315**

☼ Add the number of cups in 3 quarts. _____

3 2 7 5 2 6 5 8 4 7 (Circle your answer to double check you are correct.)

☼ Increase that number by 6. _____

7 3 3 3 6 5 8 5 2 0

☼ Add one-fourth of a dozen. _____

9 5 7 9 8 3 3 6 6 9

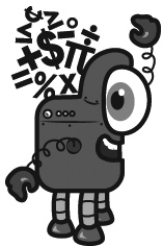
☼ Add 44. _____

5 3 9 3 8 0 3 5 2 1

☼ Divide by 10. _____

1 4 9 1 7 1 4 3 8 4

Mental Math — #2 —



⌘ Start with the number of sides on a quadrilateral. _____

2 7 7 8 4 9 3 4 4 0 (Circle your answer to double check you are correct.)

⌘ Add the number of ounces in 2 pounds. _____

8 8 3 6 5 6 1 1 2 3

⌘ Divide that number in half. _____

7 5 5 2 1 8 2 5 1 6

⌘ Add the digits in your number. The sum of that is your new number. _____

5 1 8 6 2 8 9 5 9 6

⌘ Add the number of inches in 2 feet. _____

8 2 4 3 3 2 7 9 2 9

⌘ Increase that number by 39. _____

9 7 2 1 6 4 4 5 3 7

Name: _____

At the mud factory, Purple's job is to scoop up mud and make it into kilogram blocks of mud. She loves her job! Today there were 946,117,144 milligrams of mud trucked in. Each mud block is precisely 1 kilogram, no less, no more. How many mud blocks can she make today?

Reduce $\frac{10}{30}$ to its lowest terms.

168 is what percent of 224?

Change $\frac{1200}{144}$ to a mixed number.

$$\begin{array}{r} 2{,}217 \\ 446 \\ +\ 556 \\ \hline \end{array}$$

Write the decimal number for:
six hundredths

$$\begin{array}{r} 7{,}632 \\ 5{,}665 \\ 1{,}419 \\ +\ 8{,}933 \\ \hline \end{array}$$

Name: _____

Give two answers for x in each equation.

$$|x + 6| = 3$$

$$|x - 18| = 8$$

Yummy Donuts gave three dozen chocolate donuts and five dozen jelly donuts to the school. How many donuts did they give?

Round 85,737 to the nearest hundred.

Write $\frac{12}{15}$ in lowest terms.

$5 + 22 \div 2$

How many centimeters in 8.9 meters?

A rectangle is 31 cm on one side and 8 cm on another side. What is the perimeter?

Anna rolls a die. What is the chance of her rolling a 3?

_____

1 km = 1,000 m

13 km = _____ m

$72 \div 8 =$ _____

Name: _____

Write an equation to represent this:

The difference between fourteen and two is twelve.

_____

18 kg = _____ g

Hannah and Amy are playing a number game.
Hannah says 3. Amy replies that the answer is 7.
Hannah says 7. Amy replies that the answer is 11.
Hannah says 1. Amy replies that the answer is 5.
Hannah says 17. Amy replies that the answer is 21.
Hannah says 9. Amy is thinking. What number should Amy reply with?

$$\begin{array}{r} 83 \\ -\ 26 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ -\ 323 \\ \hline \end{array}$$

What should replace the T in this equation?

27 ÷ 9 + T = 28

99,547 - 19,669 = _____

33 ÷ 11 = _____

6 ÷ 2 = _____

4 x 7 =

For 93,545,364,661,981, write the digit that is in the hundred thousands place.

_____

$$\begin{array}{r} 354 \\ +\ 412 \\ \hline \end{array}$$

8 x 6 = _____

6 x 11 = _____

How many grams are in 8 kilograms?

_____ grams

$$\begin{array}{r} 29 \\ +\ 49 \\ \hline \end{array}$$

word root **favor** can mean **befriend** **favorite, unfavorable**

Name: _____

24 ÷ 6 =

10 x 10 = _____

3 x 7 =

2 x 5 = _____

Can 523 be evenly divided by 6? Circle:
523 is evenly divisible by 6
523 is NOT evenly divisible by 6

You are given four cards. One card has the number 1 on it, another card has a 2, another card has a 3, and the last card has the number 4 on it. Use two cards to make a fraction. What is the largest fraction that you can make?

17,141 + 92,765 = _____

The product of two consecutive whole numbers is 182. What are the two consecutive whole numbers?

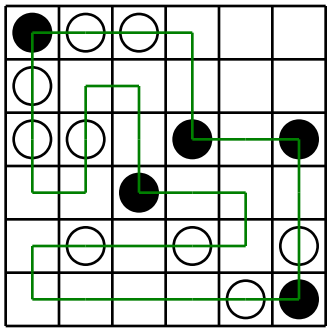
Mary is giving out candy, but you need to guess her favorite number if you want some. Her favorite number has three digits.
The units digit is 2 more than the tens digit.
The three digits add up to twenty-four.
One digit in her number is seven.
The units digit is 1 more than the hundreds digit.

Are you going to get candy?

Rewrite these in increasing order of length:

864 dm, 931 mm, 12 cm, 352 km

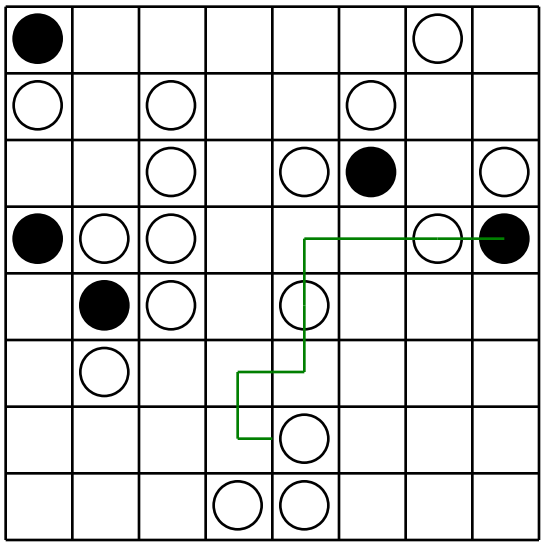
Name: _____



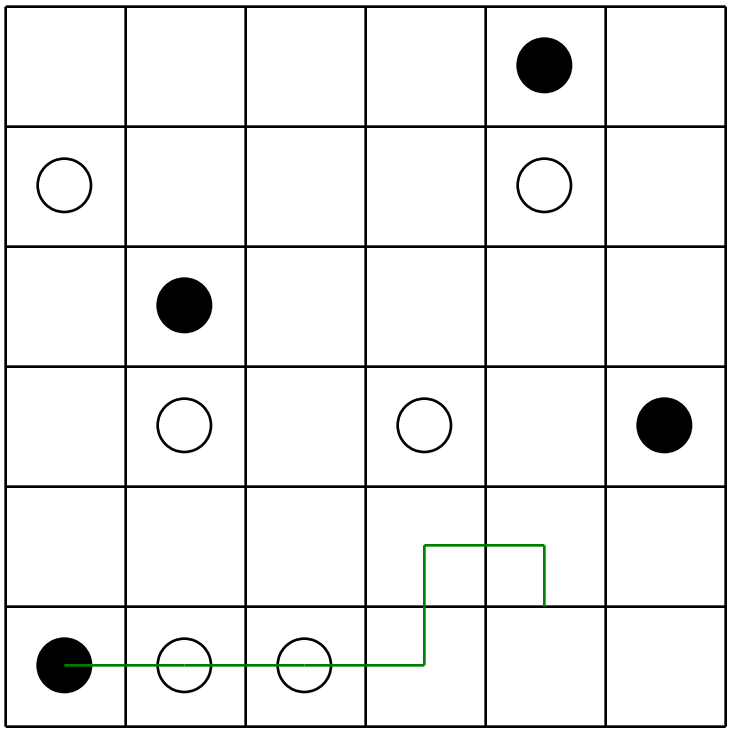
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



45 ÷ 9 =

4 x 2 = _____

56 ÷ 7 =

726 + 666 = _____

90 ÷ 10 = _____

10 x 2 = _____

In the number 974,792, the digit 4 is in what place?

_____

11 x 10 = _____

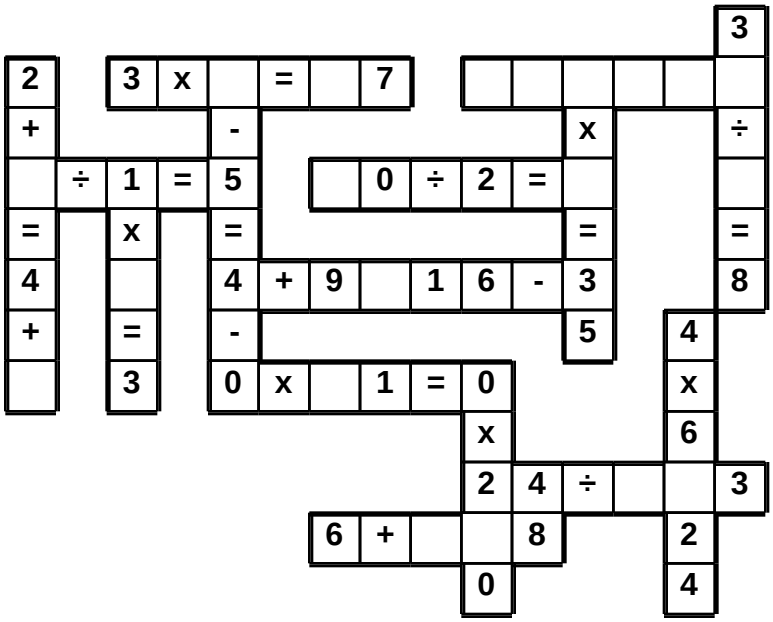
11 x 11 = _____

7 x 9 =

Name: _____

9 • 2 • 6 • x • 7 • = • 4 • 2 • 5 • 1 • 5 • 4 • 3 • = • 3 • 1
8 • = • 2 • =

Use the pieces above to help you fill in the runaway math puzzle.



Can 489 be evenly divided by 10? Circle:
489 is evenly divisible by 10
489 is NOT evenly divisible by 10

6 x 4 = _____

8 x 6 = _____

Circle the digit in the tenths place.

39.532

Name: _____

Alexander, Emma, Amanda, and Brianna each completed their homework. One took fifty-seven minutes, one took sixty-six minutes, one took fifty-eight minutes, and one took sixty-five minutes to complete their homework.

How long did each person take to finish his or her homework?

1. Amanda started on the assignment at 4:53 p.m. Amanda took a forty-three minute break at 5:39 p.m. to eat dinner. Amanda continued working after dinner and finished the assignment at 6:34 p.m.
2. Amanda needed less time than Alexander to finish.
3. Alexander needed more than an hour to finish.
4. Alexander started working at 2:22. Emma started working eighteen minutes after Alexander and finished at 3:46.

Alexander took _____ to finish.

Emma took _____ to finish.

Amanda took _____ to finish.

Brianna took _____ to finish.

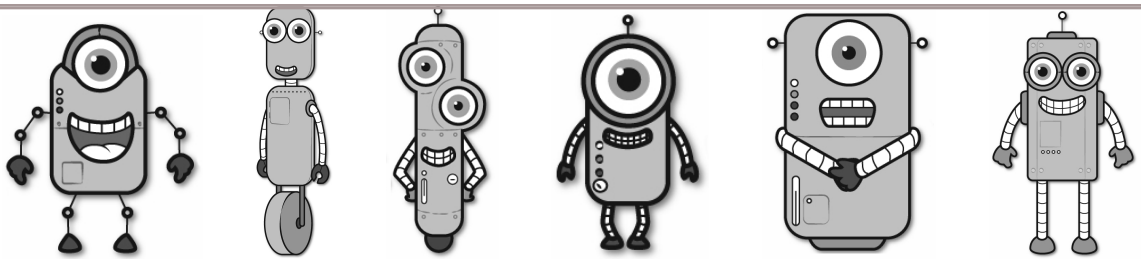
1,348 + 4,926 = _____

The letters A and W each have a line of symmetry. Name another letter between A and W that has a line of symmetry.

_____

Can 315 be evenly divided by 7? Circle:
315 is NOT evenly divisible by 7
315 is evenly divisible by 7

Name: _____



Facts

Jack is fifty-four years older than Jason.

Emily is forty-two years older than Hannah.

Rose is two years older than Max.

Max is twenty-six years older than Jason.

Hannah is four times as old as Jason.

Jason is eight years old.

How old is Jason? _____

How old is Hannah? _____

How old is Jack? _____

How old is Emily? _____

How old is Max? _____

How old is Rose? _____

Change to a percent.

$\frac{4}{10}$

Find 51% of 461.

Write the ratio as a fraction in lowest terms.
6 to 9

Name: _____

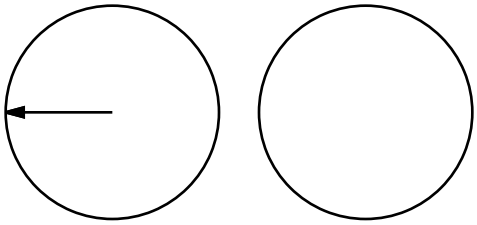
Here is a chart on turns to help you answer the questions.

A $\frac{1}{4}$ turn is 90°. A $\frac{1}{2}$ turn is 180°. A $\frac{3}{4}$ turn is 270°.

A full turn is 360°.

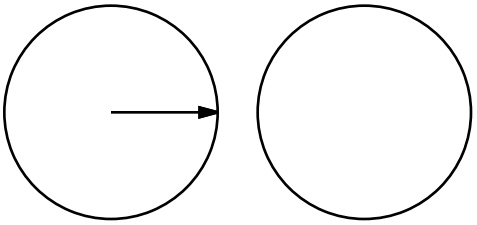
From the start position the pointer turns $\frac{3}{4}$ clockwise. Draw the arrow for the end position.

Start: End:



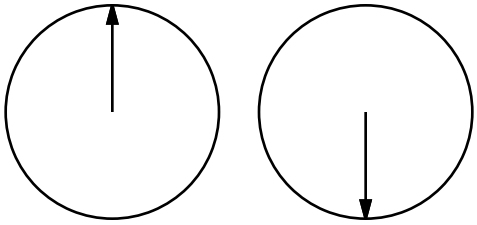
From the start position the pointer turns $\frac{3}{4}$ clockwise. Draw the arrow for the end position.

Start: End:



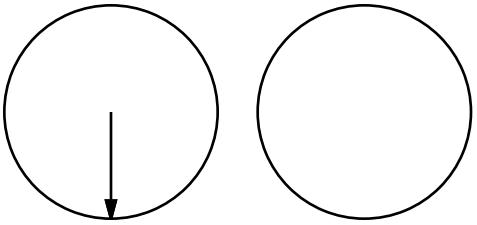
The start and end positions are shown. Explain the turn that was made.

Start: End:



From the start position the pointer turns 90° clockwise. Draw the arrow for the end position.

Start: End:



An angle that is 245 degrees is

between a ☐-turn and a ☐-turn.

Two right angles equals a ☐-turn.

Hailey is playing a game. She stands in the middle of a circle.

At the start of the game she faces east.

Then she makes a $\frac{1}{2}$-turn counterclockwise.

In which direction is she now facing?

Name: _____

Puzzle:

		15			52
					47
	15				47
	15	15			54
	15		15		53
34	61	58	48	52	+

Work Area:

		15			52
					47
	15				47
	15	15			54
	15		15		53
34	61	58	48	52	+

The sum for each column and row is given.

= _____ = _____ = _____

= _____ = _____

Change $\frac{2}{8}$ to a decimal.

$$6\frac{4}{11} + 3\frac{8}{11}$$

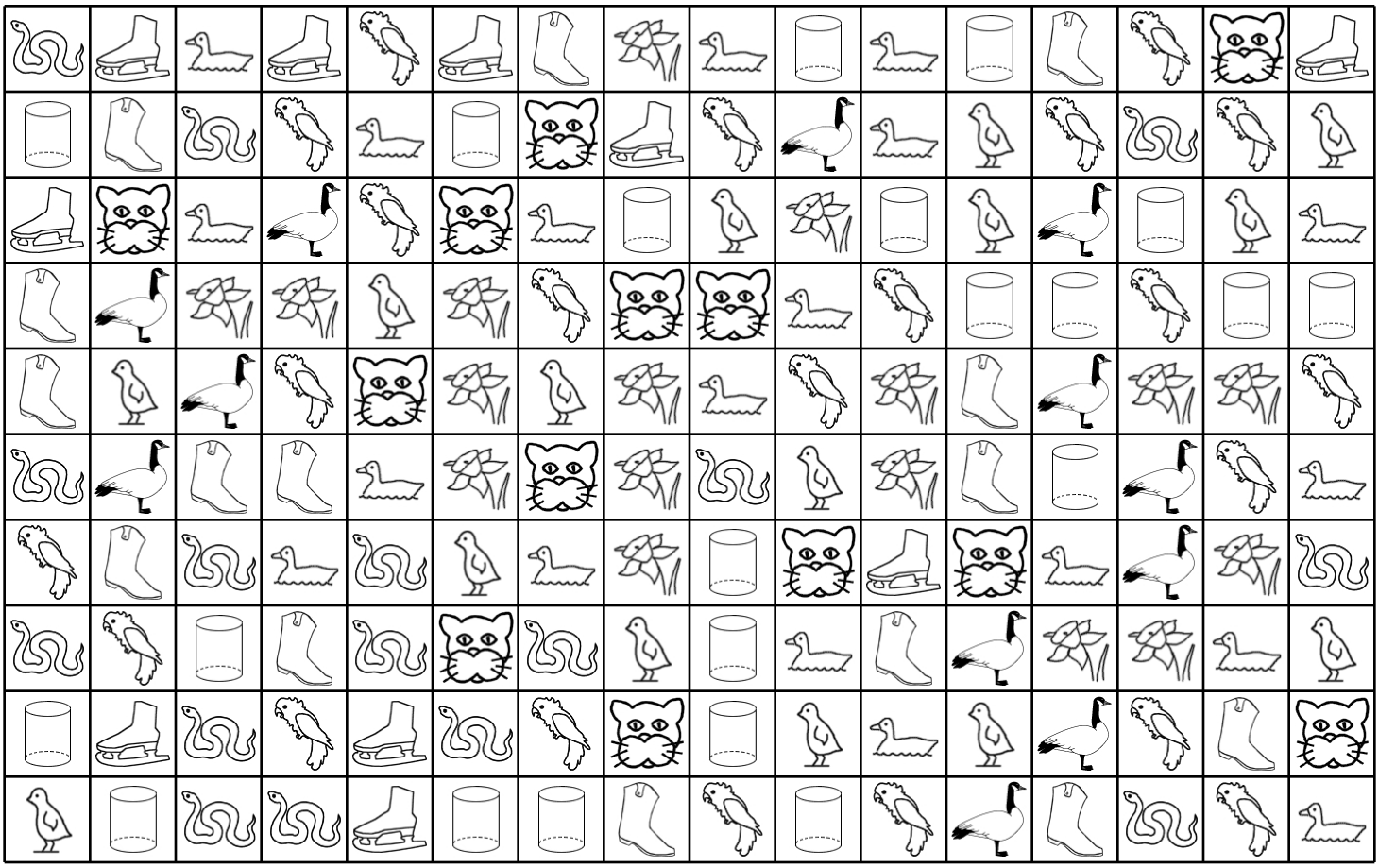
$$4 - 1\frac{2}{9}$$

Find 20% of 45.

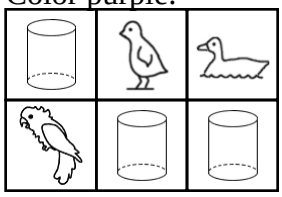
$$\begin{array}{r} 419.1 \\ +513.49 \\ \hline \end{array}$$

$$\begin{array}{r} 4,614 \\ -\ 2,685 \\ \hline \end{array}$$

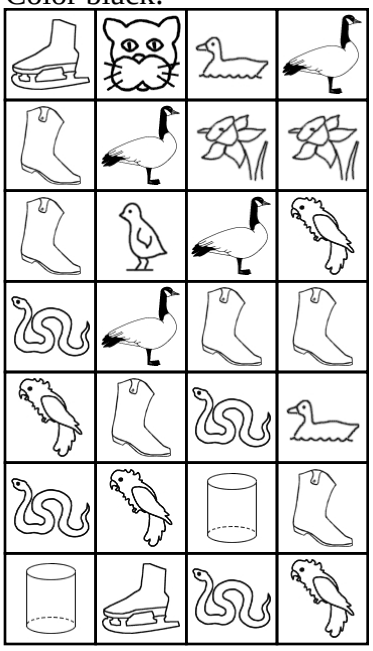
Name: _____



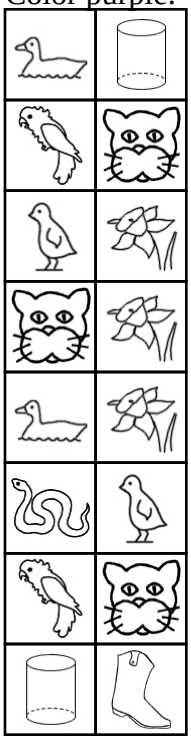
Color purple:



Color black:

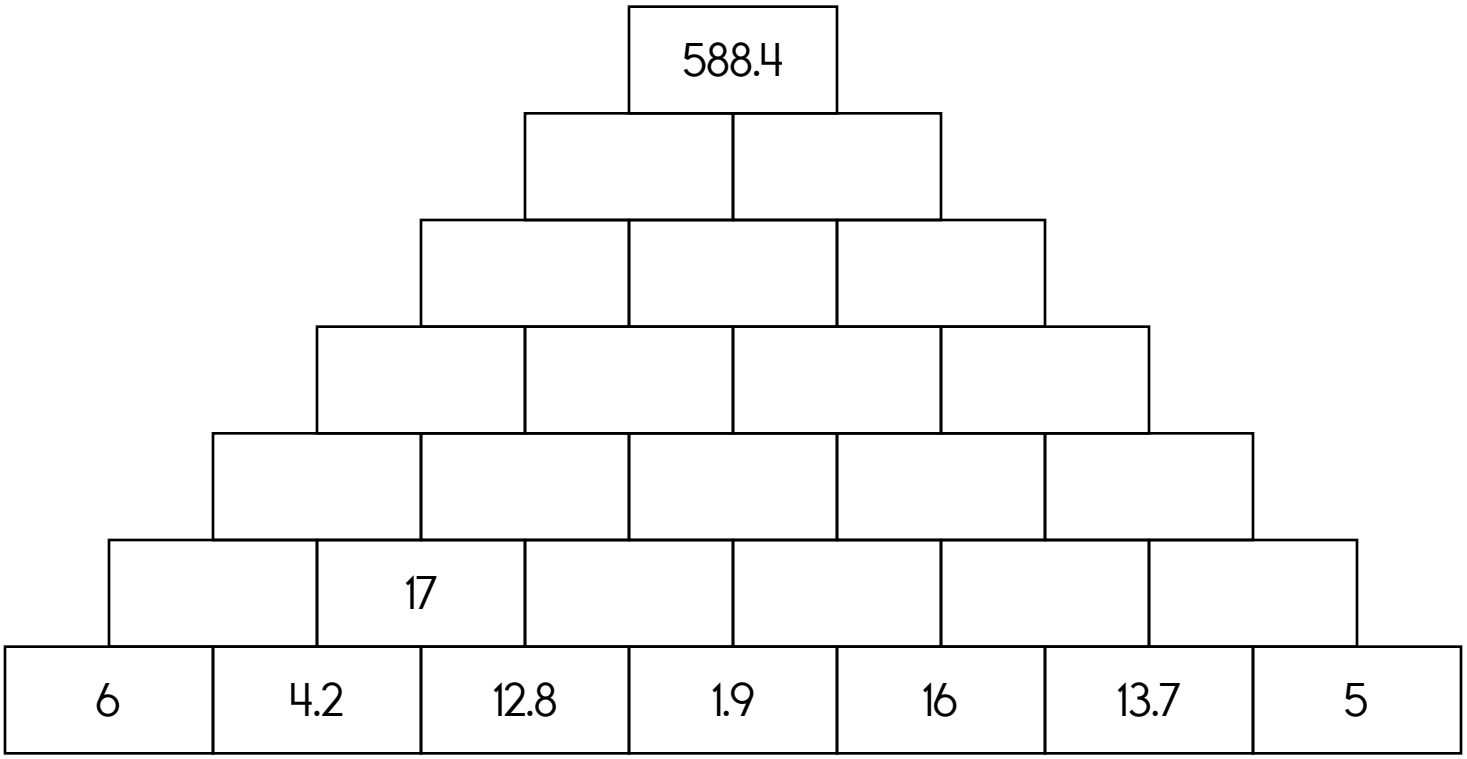


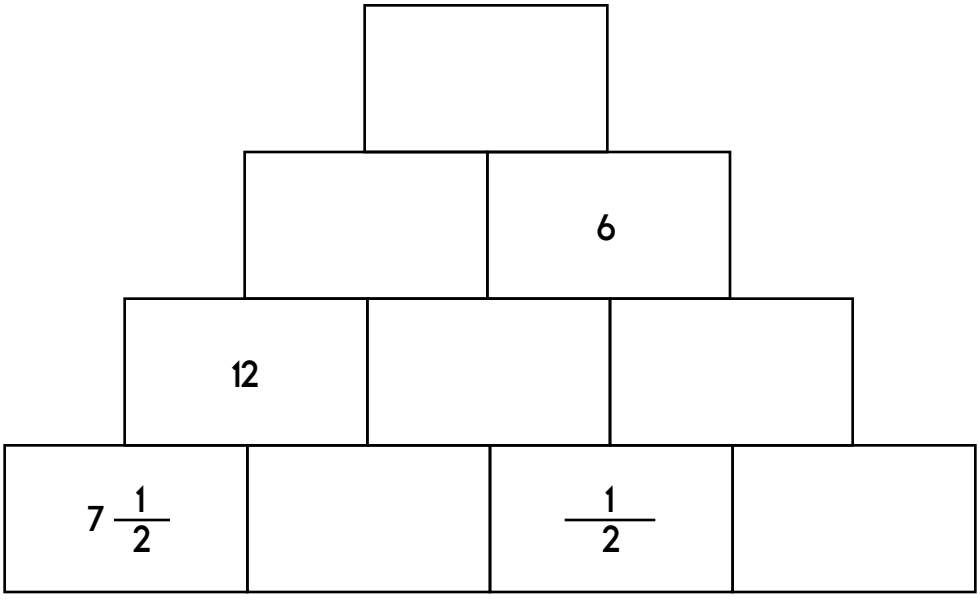
Color purple:



Name: _____

The block above is the sum of the two blocks below. Fill in the missing blocks.





(7 + 4) + 8 =	4 x 11 = _____	24 ÷ 2 = _____

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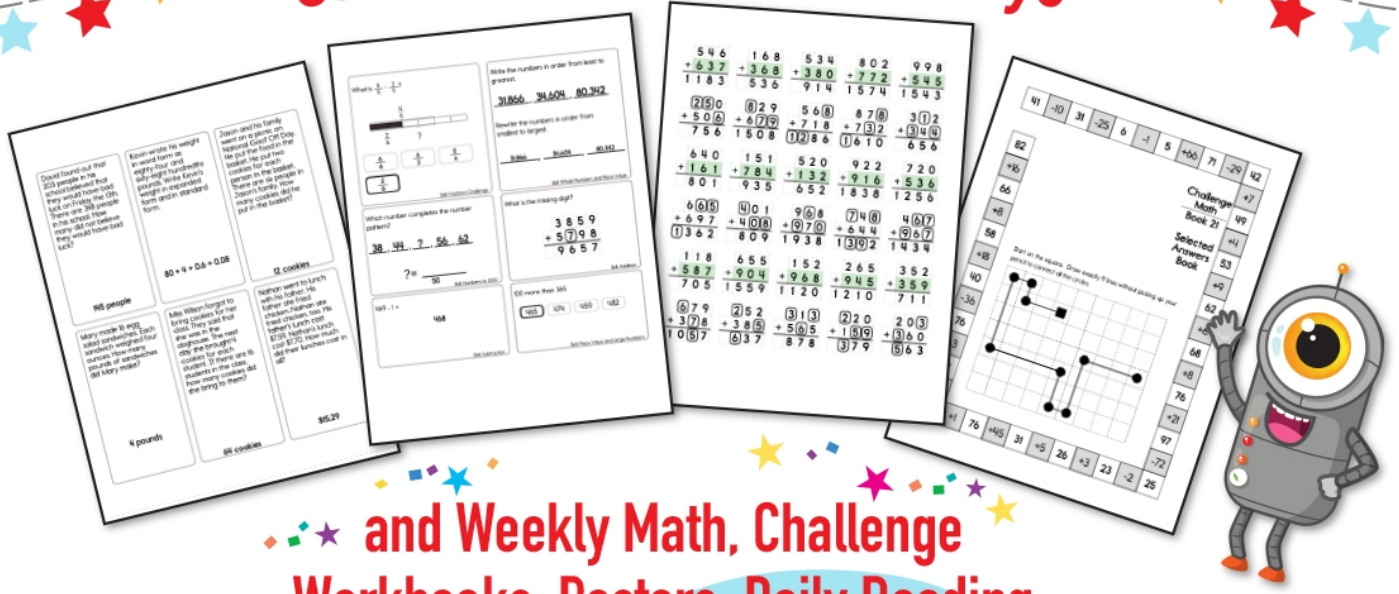

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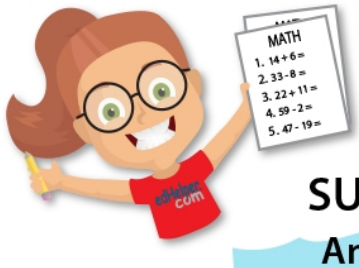

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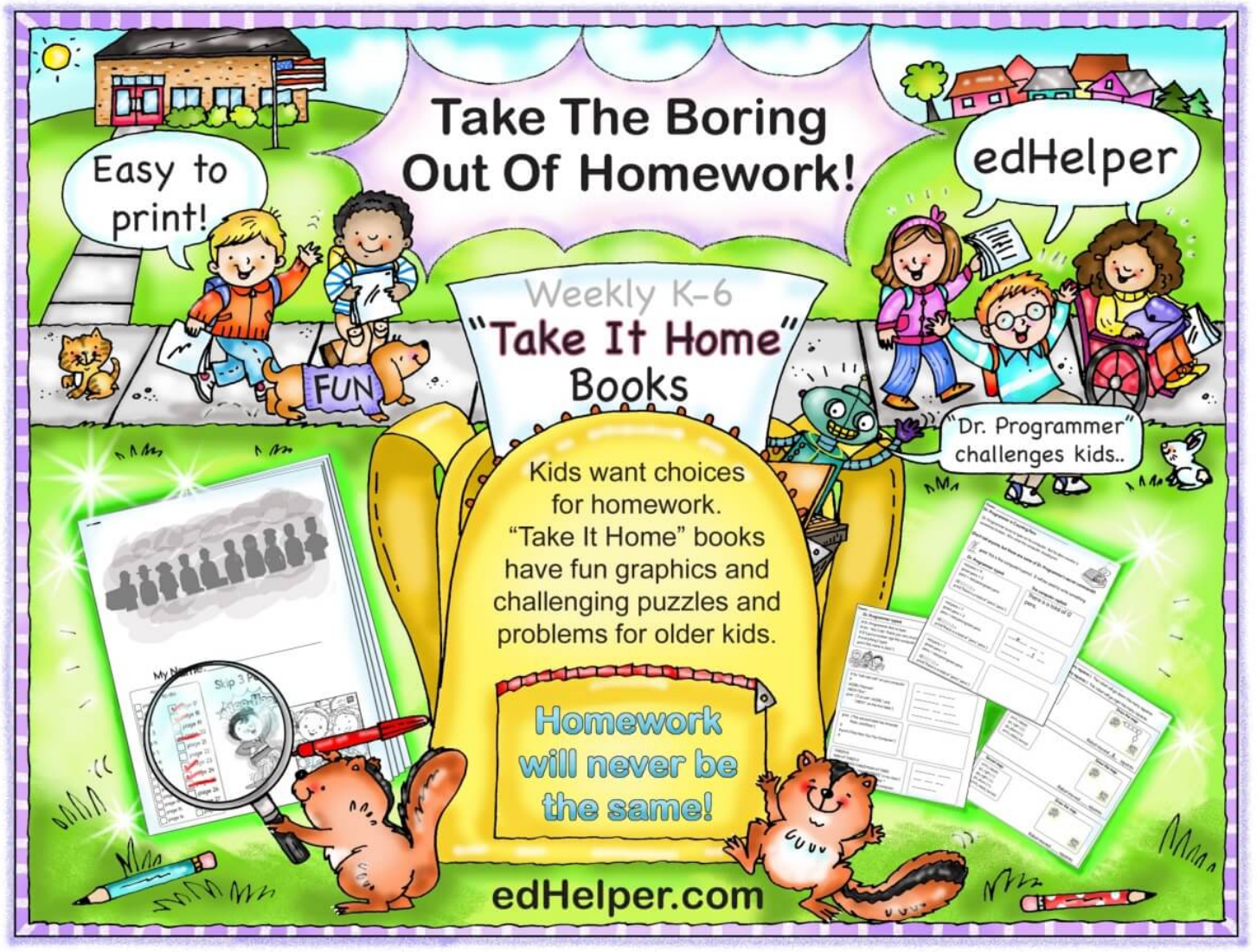
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