Name: _____

The sum of two numbers is $44\frac{1}{3}$.

If you take the first number and subtract it by the second, the difference is 11.

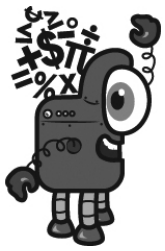
What are the two numbers?

Fill in the missing numbers.

22 - (-9) = _____
25 - (_____) = 30
20 + (_____) = 12
-24 - (-4) = _____
_____ - (-3) = -14
_____ + (-2) = -25

Name: _____

Mental Math — #1 —



- Start with the number 869. **869**
- Subtract 15. _____
  6 0 8 8 5 4 5 3 3 2 (Circle your answer to double check you are correct.)
- Add half of 54. _____
  5 2 1 3 4 3 8 8 1 1
- Add the digits in your number. The sum of that is your new number. _____
  1 7 2 6 3 7 1 5 8 7
- Multiply by 10. _____
  8 5 3 9 1 7 0 1 1 8
- Add two-thirds of a dozen. _____
  7 9 1 7 8 6 9 6 6 3
- Round that number to the nearest ten. _____
  2 7 1 4 5 1 8 0 6 6
- Add the number of inches in 2 feet. _____
  2 2 0 4 5 1 9 8 4 4
- Add the digits in your number. The sum of that is your new number. _____
  1 5 8 9 5 4 2 8 6 3
- Add half of 38. _____
  2 7 3 4 7 0 4 2 5 8
- Add the number of ounces in 2 pounds. _____
  7 7 4 5 8 1 5 7 6 3

Name: _____

Robert wants to make a pyramid to use in his display for Newspaper in Education Week. He is making the pyramid with triangles. Each triangle has a perimeter of 25 inches. Two sides of the pyramid are 9 inches and 10 inches. How long is the third side of the triangle?

The Daily Donut, a bakery in Aberdeen, is making donuts for the Donut Day celebration. The owner estimated that each person at the celebration would eat $3\frac{1}{3}$ donuts. It is expected that 3,173 people will be at the celebration. How many donuts should The Daily Donut make?

Anne got a summer job working on an app where people post pictures of their pets. This week they had 1,000,000 pictures posted. Of those pictures, 42% were dogs. How many pictures of dogs did they get this week?

$$\begin{array}{r} 6.5 \\ +59.5 \\ \hline \end{array}$$

Write the decimal number for:

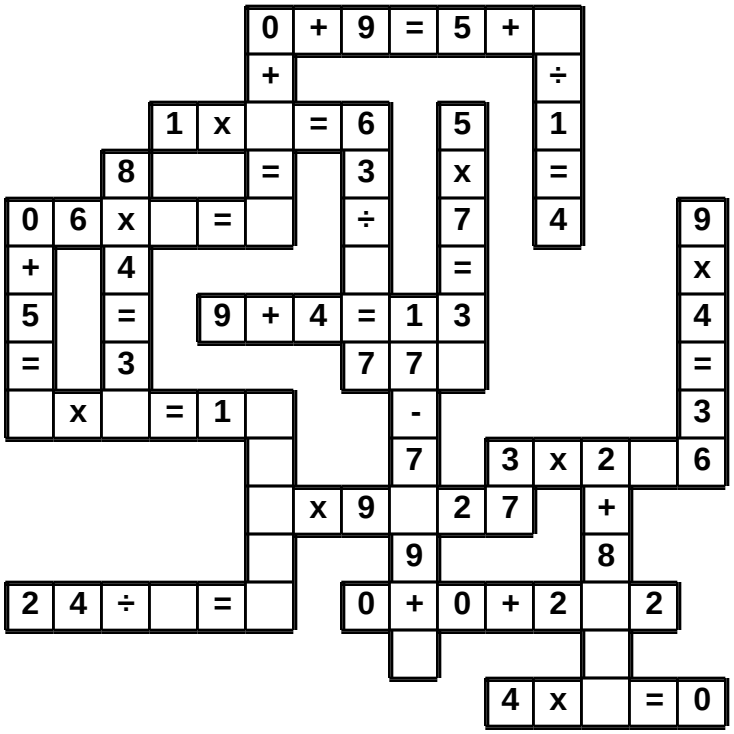
seventy-five ten-thousandths

Reduce $\frac{77}{126}$ to its lowest terms.

Name: _____

4 • 6 • 1 • 6 • 9 • 5 • 5 • 2 • 0 • + • = • 3 • = • = • 8 • 3 = • 1 • 1 • 0

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



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

64 divided by 8 equals

$9\frac{2}{5} + 4\frac{3}{5}$

Know how many inches in a foot? Okay, smarty pants, how many inches in 4 feet?

4 ÷ 2 + 12

How much time is it from 7:00 a.m. to 10:45 a.m.?

5 x 10 = _____

Name: _____

Miss Rodriguez made 10 blueberry fritters. She gave 3 to Alex and 5 to Hunter. Write a fraction to describe the fraction of the fritters that are left.

While Yuko was in Japan, she bought a doll that cost 2,210 yen. How much did the doll cost in U.S. dollars? The exchange rate was 107.26 yen per dollar.

A package of 10 jasmine blossom teabags sells for $1.75. The weight of the tea in each bag is 1.92 grams. How much does jasmine tea cost per gram?

Emily had some pieces of wood to make a picture frame with a perimeter of 92 inches. Two of the pieces of wood are 19 inches long each. The other two pieces are equal in length. How long are the other two pieces of wood?

Emma bought $4\frac{1}{2}$ pounds of candy to decorate the gingerbread houses. If $\frac{1}{5}$ of a pound of the candy was peppermint, how many pounds were not peppermint?

Mr. Moore wrote down his daily black cow root beer float sales for the last week. He had sold 420 floats at $2.25 each. The ingredients for the floats cost $1.13 per float. How much profit did he make last week?

Name: _____

The Bigtown Economics Show was set up and ready to go at the Bigtown Municipal Center. The organizers were counting their money. Non-profit organizations paid a $10 registration fee to set up a booth at the event. For-profit organizations paid a $30 fee. The ratio of non-profit to profit organizations was 5 to 4. If there were 117 organizations registered for the event, how much money did the organizers receive in registration fees?

Jason made cookies for Remembrance Day. He made $1\frac{2}{3}$ dozen chocolate cookies, 2 dozen peanut cookies, and $1\frac{1}{3}$ dozen oatmeal cookies. If he puts the same number of each cookie in each bag and has no cookies left over, what is the largest number of bags he can fill?

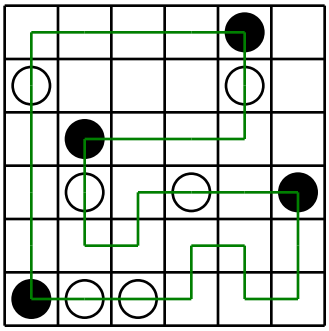
Hannah procrastinated studying until 5 minutes before the spelling test. As a result, she only spelled 1 out of 3 words correctly. There were 18 words on the test. How many did she spell correctly?

It took Mrs. Thompson 2 hours and 30 minutes to make the pies for the fair. Rewrite the mixed number as a fraction.

Anne bought $3\frac{1}{8}$ cups of sour cream to put on tacos at her party. How many $\frac{1}{3}$ of a cup servings can she get from that amount of sour cream?

word root **ist** can mean **one who** **funambulist, physicist**

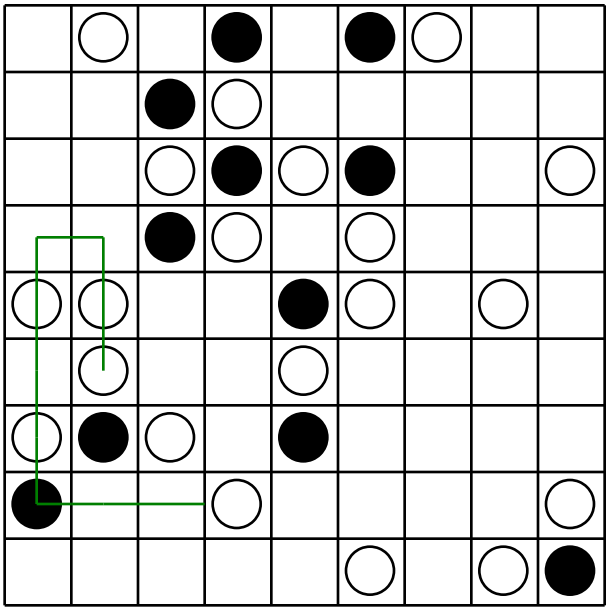
Name: _____



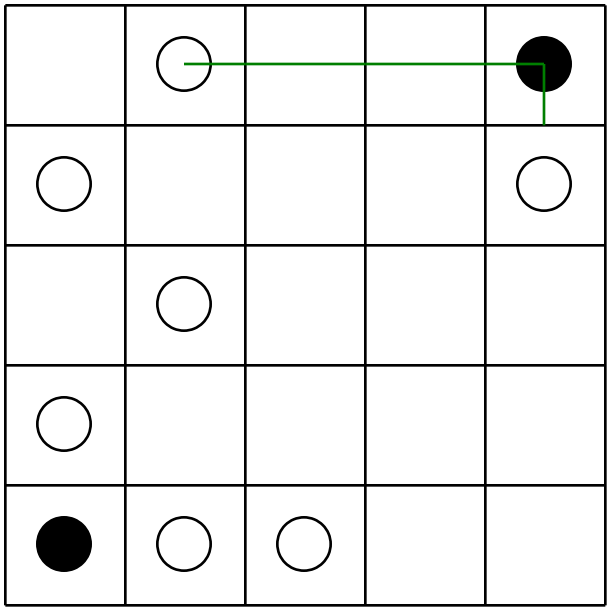
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



Ava rolls a die. What is the chance of her rolling a 2?

_____

How many millimeters are in 4 centimeters?

_____ millimeters

Robert took three numbers greater than 1 and multiplied them. One number was six and the other number was seventeen. Of course, he forgot the last number, but he remembered the product was 131. Is this possible?

63 ÷ 7 = _____

4 x 11 =

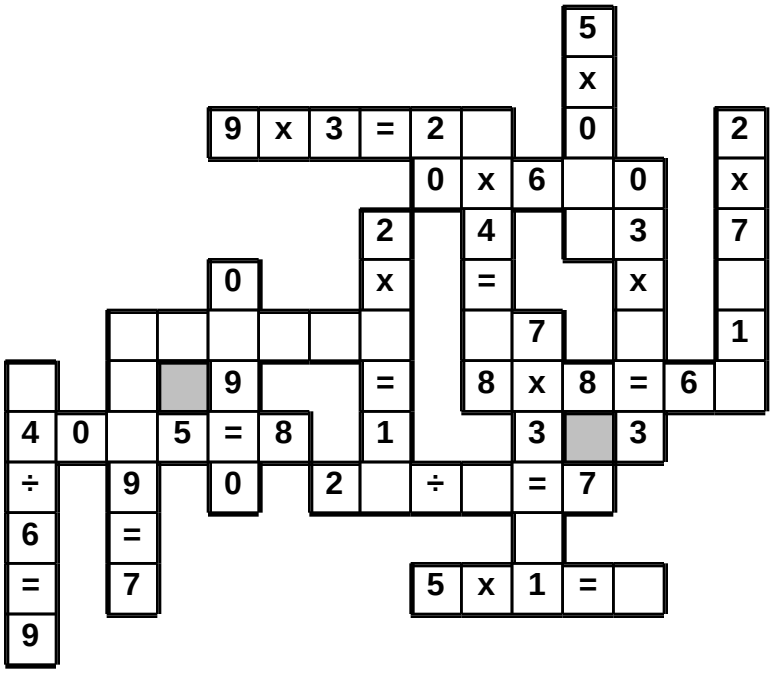
$$\begin{array}{r} 277 \\ +\ 292 \\ \hline \end{array}$$

word root **nov** can mean **new** **novelist, novelty, renovation**

Name: _____

7 • = • 0 • = • 6 • 3 • ÷ • 7 • = • 9 • 2 • 1 • 5 • 3 • 4 • ÷ 8 • 4 • 2 • 5

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



What number is halfway between 8 and 16?

Can 927 be evenly divided by 8? Circle:
927 is evenly divisible by 8
927 is NOT evenly divisible by 8

$$\begin{array}{r} 40 \\ +\ 49 \\ \hline \end{array}$$

$$\begin{array}{r} 285 \\ -\ 245 \\ \hline \end{array}$$

7,444 - 1,263 = _____

1 lb = 16 oz

12 lb = _____ oz

word root **junct** can mean **join** **conjunction, junction**

Name: _____

Circle the digit in the tenths place.

3,687.372

88 ÷ 11 = _____

Anna took three numbers greater than 1 and multiplied them. One number was seven and the other number was fifteen. Of course, she forgot the last number, but she remembered the product was 945. Is this possible?

5 x 5 = _____

26 km = _____ m

(7 + 4) + 8 =

Amanda and her little sister, Emma, both have birthdays on the same day. Amanda is eleven years old. Emma is nine years old. Did you know that Amanda was once double the age of Emma? How many years ago was that?

72 ÷ 9 = _____

7 x 6 = _____

$$\begin{array}{r} 56 \\ -\ 18 \\ \hline \end{array}$$

8,194 - 5,592 = _____

What time is 17 hours after 2:00 p.m.?

_____

Three girls ran a race.
Rosa ran past Jessica in the race and Jessica never caught up.
Mary was not as fast as Rosa.
Who won the race? Do you have enough information to know?

7 x 9 = _____

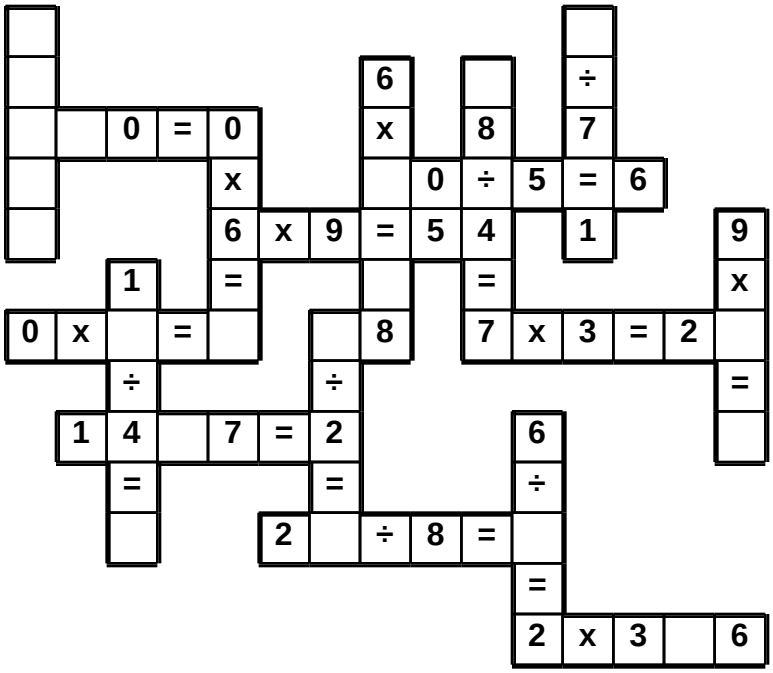
9 x 5 = _____

6 x 11 =

Name: _____

5 • 7 • ÷ • 2 • 1 • x • = • 3 • 5 • 1 • 2 • 0 • 8 • 1 • ÷ • 9 • 3
4 • 3 • =

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



Write the missing family fact.

66 - 47 = 19
66 - 19 = 47
19 + 47 = 66

_____

12 ÷ 2 = _____

24 ÷ 4 =

How many dimes make $3.30?

6 x 12 = _____

Write the numbers 60 to 90 on a sheet of paper.
How many of these numbers are divisible by 4?

_____

5 x 11 = _____

Name: _____

$$\begin{array}{r} 578 \\ 31 \\ +\ 25 \\ \hline \end{array}$$

Change to decimals.

56% = _____

5% = _____

80% = _____

65% = _____

$$\begin{array}{r} 63 \\ 34 \\ +\ 28 \\ \hline \end{array}$$

Find 56% of 258.

Write the decimal in words.
9.11

Reduce $\frac{36}{39}$ to its lowest terms.

Find the sum of 921, 926, 605, and 74.

Write the decimal number for:
five ten-thousandths

$$\begin{array}{r} 4{,}059 \\ -\ 984 \\ \hline \end{array}$$

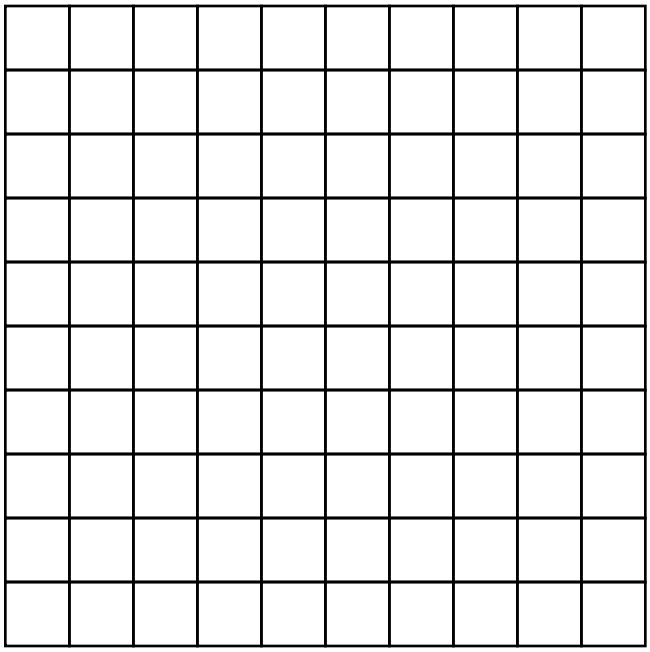
Name: _____

The sum of two numbers is 15. The difference between the numbers is 125. If the numbers are integers, what are possible values?

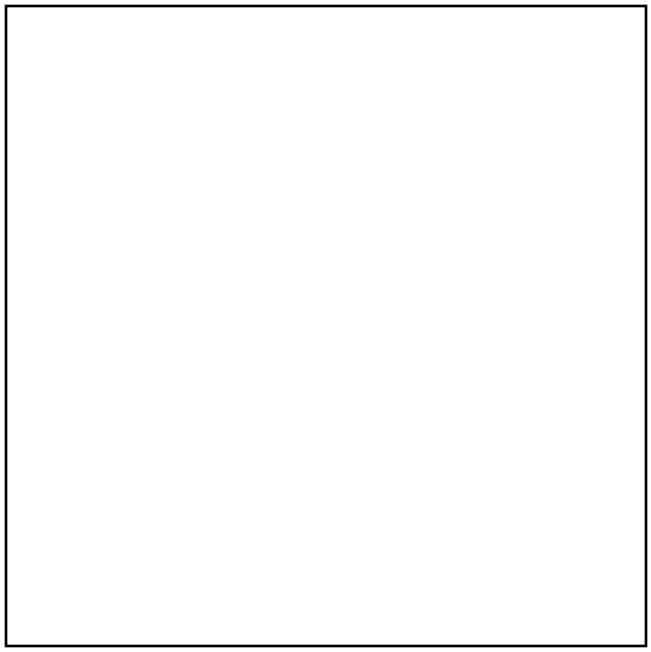
Jenna has $5.10 in dimes and nickels. She has one-fourth as many dimes as nickels. How many nickels does she have?

Two numbers are in the ratio 4:6. The sum of the numbers is 80. What are the numbers?

Name: _____



Color in 56% of the large square.



Color in 16% of the large square.

75% = 0.75

32% = _____

17% = _____

60% = _____

6% = _____

50% = _____

2% = _____

89% = _____

90% = _____

43% = _____

$\frac{8}{25} = \frac{32}{100} =$ _____ %

$\frac{11}{50} = \frac{\quad}{100} =$ _____ %

$\frac{1}{20} = \frac{\quad}{100} =$ _____ %

$\frac{41}{50} = \frac{\quad}{100} =$ _____ %

$\frac{7}{10} = \frac{\quad}{100} =$ _____ %

Name: _____

45 ÷ 9 =

Four-fifths of the children in Garcia's class want to go outside. If Garcia agrees with the majority, will the class stay inside or go outside?

50 ÷ 10 = _____

22 ÷ 2 = _____

24 ÷ 4 =

12 x 2 = _____

What number is halfway between 22 and 39?

2 x 3 = _____

Which is the better buy? Two bags of candy for $4 or eight bags of candy for $56?

Write this as a number in standard form. Use a comma in your number.

eight hundred eighty-seven thousand, four hundred forty-five

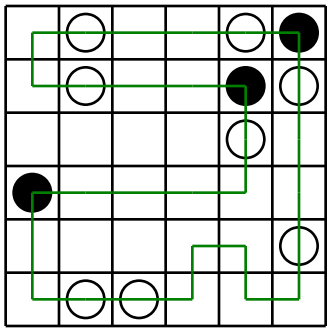
_____

Anne and Erin are playing a number game.
Anne says 5. Erin replies that the answer is 25.
Anne says 2. Erin replies that the answer is 4.
Anne says 1. Erin replies that the answer is 1.
Anne says 16. Erin replies that the answer is 256.
Anne says 8. Erin is thinking. What number should Erin reply with?

2 x 11 = _____

48 ÷ 8 = _____

Name: _____



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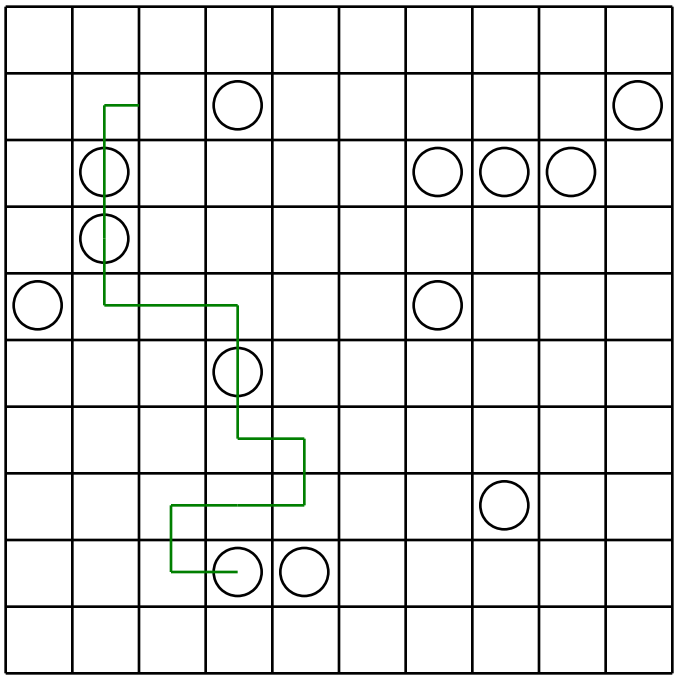

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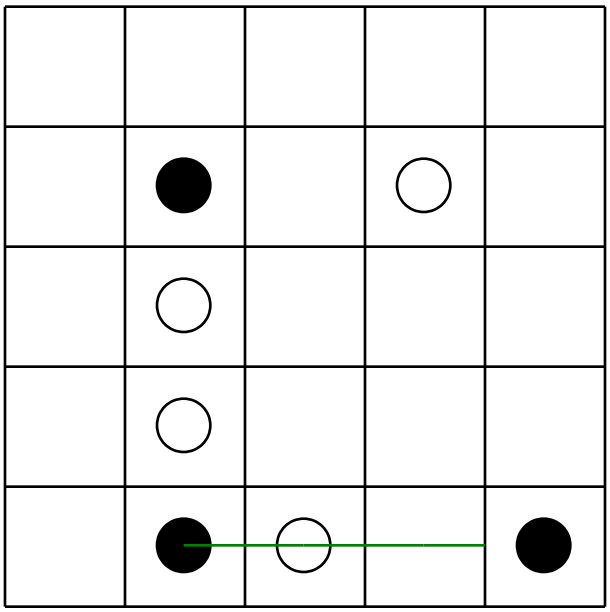

Circle the smallest number:

8,219
65,702,360,871
257,490,386,143
594,521

16 ÷ 2 = _____

2 x 8 = _____

45 ÷ 9 = _____

Write an equation to represent this:

The sum of twelve and four is sixteen.

_____

10 x 10 = _____

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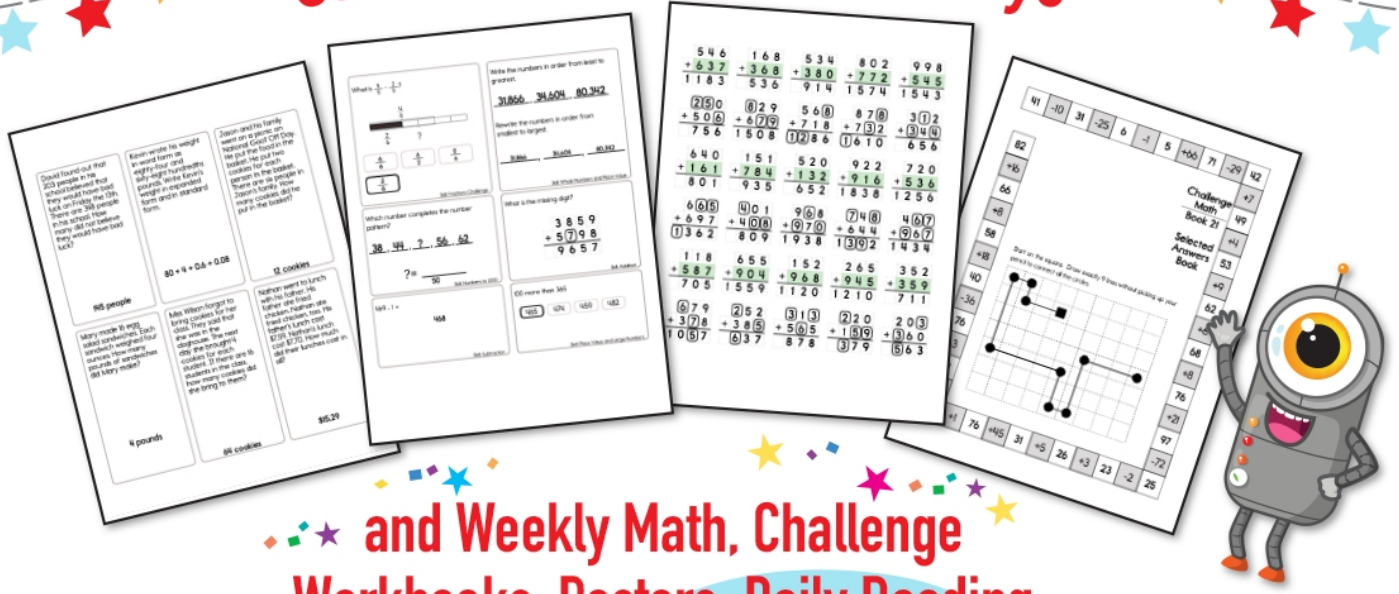

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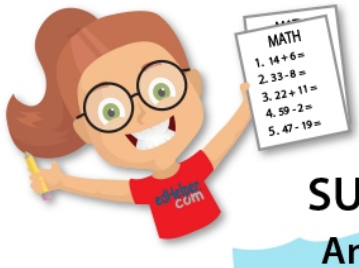

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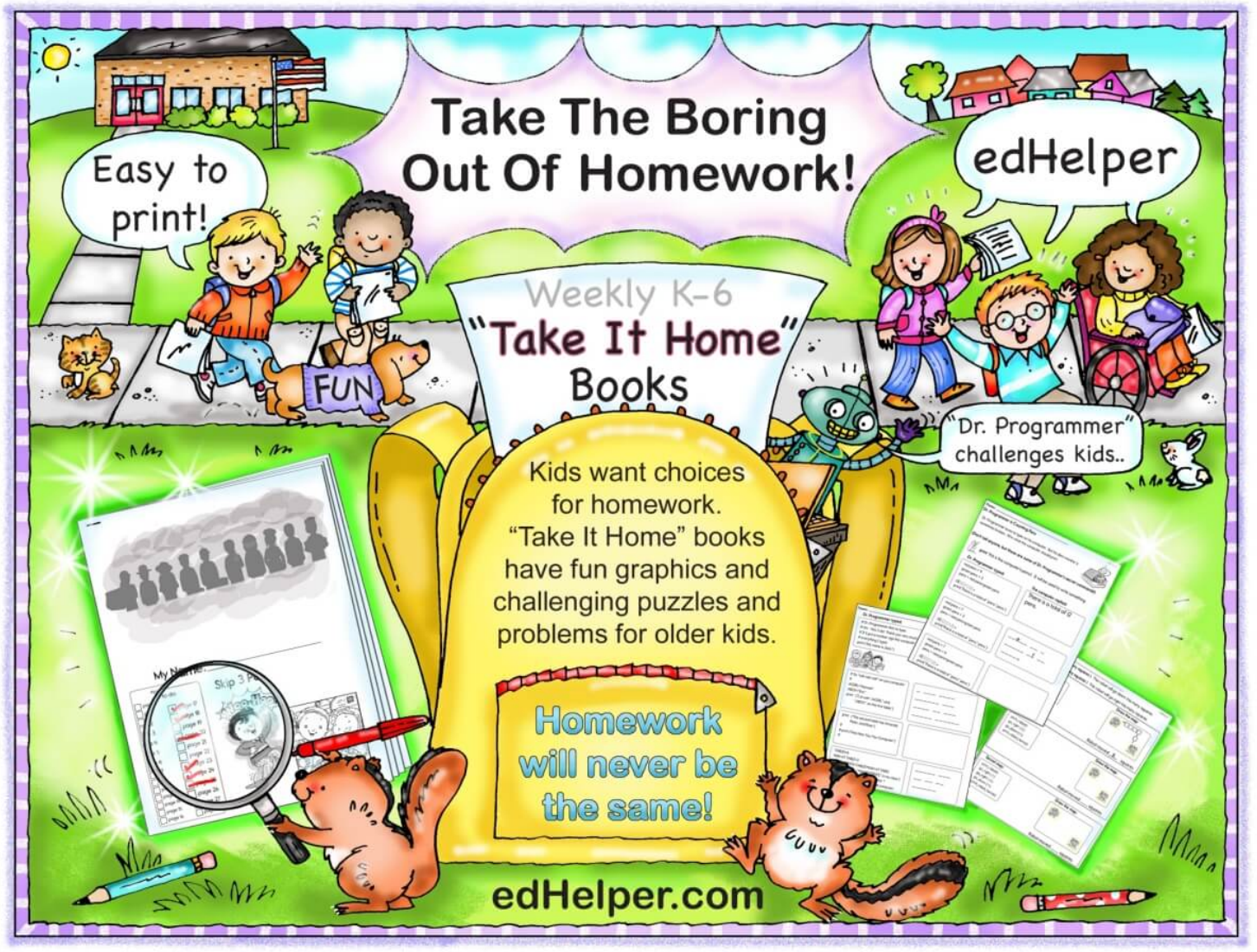
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