

Name: _____

There are 72 players in a game. Of all the players, $\frac{1}{6}$ have 3 lives left, and $\frac{6}{8}$ of the other players have exactly 5 lives left.

How many of the players have exactly 5 lives left?

April likes to sew. She went to the store and

bought $\frac{5}{7}$ yard of fabric. She used $\frac{4}{6}$ of it to make pajamas and the rest for some headbands.

How much fabric did she use to make headbands?

Maria has 80 books. She donated $\frac{3}{4}$ of her books to the second grade library. The second grade teacher took $\frac{1}{5}$ of the books that she got from Maria and gave them to the third grade. How many of Maria's books ended up in the third grade library?

Gavin finished his homework in only $\frac{1}{3}$ of an hour.

Connor finished his homework, though, in only $\frac{4}{5}$ of the time that Gavin took. How long did it take Connor to finish his homework?

Hint: Write answer as a fraction of an hour.

Name: _____

Donna recorded with tally marks the overall patterns of hot air balloons she has seen the last 5 summers.

Balloon Patterns	Tally Marks
Striped	
Zig-zag	
Dots	
Criss-cross	

Count

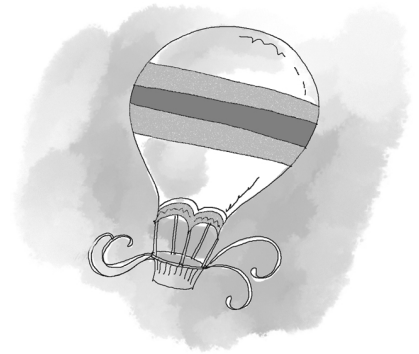
= _____

= _____

= _____

= _____

Make a table in the blank space below to show this data.



Use your completed table to write 2 questions with answers.

1. _____

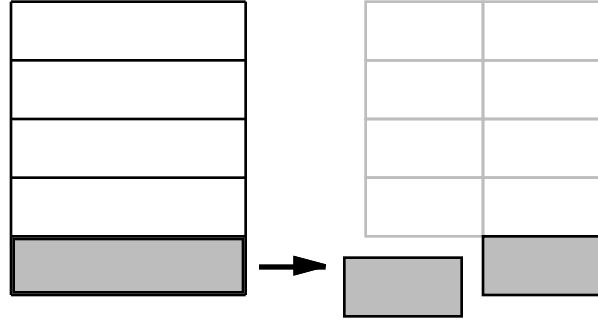
2. _____

Name: _____

$$\frac{1}{2} \text{ of } \frac{1}{5} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.



$$\frac{1}{4} \text{ of } \frac{3}{5} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.

$$\frac{1}{2} \text{ of } \frac{4}{5} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.

$$\frac{4}{6} \text{ of } \frac{2}{4} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.

Name: _____

Draw it.

$$\frac{3}{4} \text{ of } \frac{3}{4} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.

$$\frac{1}{2} \text{ of } \frac{1}{4} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

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$$\frac{6}{6} \text{ of } \frac{6}{6} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Draw it.

$$\frac{1}{2} \text{ of } \frac{4}{6} = \frac{\boxed{}}{\boxed{}} \times \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

Name: _____

This fraction is not in simplest form. When this fraction is reduced to simplest form, the numerator is 5 less and the denominator is 10 less. Whew! That's confusing! The numerator of this fraction is 6. What is this fraction?

This fraction is equivalent to $\frac{1}{8}$. The sum of the digits in the denominator is 12. The sum of

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This fraction is equivalent to $\frac{7}{9}$. The sum of the digits in the denominator is 9. The sum of the digits in the numerator is 8. What is this fraction?

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME****MY SCORE**

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How many centimeters in
5.4 meters?

59, 66, 73, 80, _____, 94,
101, 108

$$6 \div \frac{1}{2}$$

$\frac{1}{7776}$, $\frac{1}{1296}$, $\frac{1}{216}$, $\frac{1}{36}$, $\frac{1}{6}$,
(1), (6), (36),
_____, (1,296)

(512), (64), (8),
_____, $\frac{1}{8}$, $\frac{1}{64}$, $\frac{1}{512}$,
 $\frac{1}{4096}$

64, _____, 80, 88, 96, 104,
112

Name: _____

In gym class 10 kids tried to run a relay race. They each had to run around the track $5\frac{2}{3}$ times before passing the baton to the next runner. How many times around the track did the entire gym class run?

Amanda loves basketball. She practices for $1\frac{2}{5}$ hours every day. How much basketball would she practice from Monday through Friday this week?

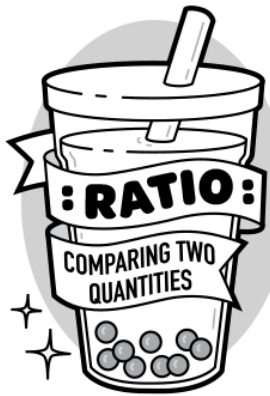
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Nathan has a long 5-foot string. He wants to cut it into $\frac{1}{8}$ equal pieces. If he does that, how many pieces will there be?

Rosa and Mary both took part in a $7\frac{1}{4}$ mile long race. It was quite a race. Rosa got tired after she ran $\frac{2}{3}$ of the race and stopped. Mary finished the race. How much farther did Mary run?

Name: _____



Bo has a **bubble tea** truck. He's gathering ingredients that he needs for his afternoon selling **bubble tea** at the beach. Help him by converting measurements (when needed) and finding the ratios in the recipes below.



★ 16 tbsp. in a cup • 2 cups in a pint • 4 cups in a quart

1 tea to water

1 : 24



ORIGINAL MILK TEA

24 servings

1 cup loose black tea

6 quarts water

3 pints milk

2 pints tapioca pearls

2 pearls to tea

:

3 milk to sugar

:

4 water to milk

:

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:

3 milk to sugar

:



8 tbsp. loose jasmine tea

5 quarts water

9 pints mango juice

5 pints popping boba

3 pints milk

1 cup sugar

:

4 water to milk

:

1 melon to water

:

3 milk to sugar

:

COCO-MELON SMOOTHIE

24 servings

9 quarts water

5 quarts honeydew melon

5 pints coconut milk

3 pints tapioca pearls

1 pint honey

1 cup sugar



2 pearls to honey

:

4 water to milk

:

Name: _____

Write each product in the simplest form.

$$\frac{1}{10} \times \frac{7}{9}$$

$$\frac{1}{3} \times \frac{15}{16}$$

$$\frac{7}{12} \times \frac{1}{2}$$

$$\frac{5}{7} \times \frac{1}{8}$$

$$\frac{1}{4} \times \frac{5}{13}$$

$$\frac{3}{10} \times \frac{3}{4}$$

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$$\frac{3}{4} \times \frac{10}{13}$$

$$\frac{1}{2} \times \frac{1}{4}$$

$$\frac{1}{5} \times \frac{3}{13}$$

$$\frac{9}{16} \times \frac{1}{4}$$

Name: _____

I am a 2-digit number that is divisible by 4 and 7. If you add my digits together, the sum is 11. What number am I?

I am a 2-digit number that is divisible by 2 and 8. If you add my digits together, the sum is 15. What number am I?

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I am a 2-digit number that is divisible by 2 and 6. If you add my digits together, the sum is 15. What number am I?

Name: _____

Make a coordinate grid where you can plot x and y values from 0 to 10. Remember x goes to the right and y goes up. Plot these points: (4, 4), (4, 9), (9, 9), and (9, 4). What is the perimeter of the rectangle you drew?

How many chirps are equal to 10 clucks?

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Circle the bigger number. Put a square around the smaller number.

8.2 tenths

63.7 hundredths

Name: _____

Mary has too much popcorn! She only ate $\frac{2}{7}$ of it and then she poured what was left equally into 2 smaller bowls for her friends. What fraction of the original popcorn did each of her friends get?

Connor is helping his art teacher cut poster paper. He started with a $\frac{7}{10}$ meter long piece and cut it into 4 equal pieces. What is the total length of 2 of the pieces?

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At Rose's party they had a $\frac{5}{6}$ liter bottle of punch.

Rose helped pour an equal amount from the punch into 5 cups. What fraction of a liter of punch does each cup have?

David took out the grass from the backyard lawn and is making a garden. It covers $\frac{3}{4}$ of an acre in the backyard. But it's too much work, so he divided it into 6 equal sections. What fraction of an acre is each of the sections?

Name: _____

Multiply. You do not need to simplify.

$$\frac{2}{6} \times \frac{1}{5} =$$

2

Multiply $\frac{2}{3}$ by $\frac{9}{10}$.

$$\frac{18}{30} \text{ simplifies to } \frac{3}{5}$$

$$\frac{18}{30} \text{ simplifies to } \frac{9}{15}$$

$$\frac{18}{30} \text{ simplifies to } \frac{6}{10}$$

Multiply. Answer needs to be in simplest form.

Multiply $\frac{1}{2}$ by $\frac{2}{4}$ and simplify answer.

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32

8

Circle the prime numbers.

There may be multiple answers.

3

11

18

Name: _____

Write each product in the simplest form.

$$\frac{37}{12} \times \frac{1}{6}$$

$$\frac{16}{12} \times \frac{14}{8}$$

$$\frac{6}{5} \times \frac{16}{5}$$

$$\frac{8}{7} \times \frac{1}{6}$$

$$\frac{6}{4} \times \frac{3}{2}$$

$$\frac{14}{4} \times \frac{1}{15}$$

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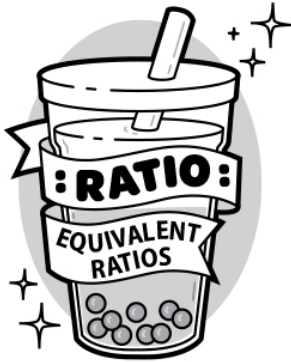
$$\frac{22}{15} \times \frac{5}{8}$$

$$\frac{10}{6} \times \frac{34}{12}$$

$$\frac{5}{2} \times \frac{1}{6}$$

$$\frac{7}{5} \times \frac{24}{15}$$

Name: _____



- 1 Bo owns a **bubble tea** truck. The number of lavender to **melon** drinks was **4 : 3** when he packed the truck in the morning. The number of lavender to **strawberry** drinks was **8 : 9**. Find the ratio of the number of lavender to **melon** to **strawberry** drinks that Bo packed in the truck.



- 2 Bo sold all 36 of his **melon** drinks that afternoon. Find the total number of each drink that Bo loaded onto his truck earlier that morning.



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- 3 The next day Bo packed his truck differently. He loaded 64 total lavender and **melon** drinks. The number of lavender to **melon** drinks was **3 : 5**. Bo's first customer that day ordered **4 melon** drinks. How many **melon** drinks does Bo have now? What is the new ratio of lavender to **melon** drinks?

lavender

--	--	--

--

melon

--	--	--	--	--

Don't forget to simplify!

--

 melon drinks now new ratio

--	--	--

Name: _____

Write each product in the simplest form.

$$2\frac{4}{5} \times 5$$

$$9 \times 1\frac{2}{3}$$

$$6\frac{1}{7} \times 37$$

$$13 \times 42\frac{1}{3}$$

$$5\frac{2}{5} \times 34$$

$$17 \times 3\frac{5}{6}$$

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$$25 \times 1\frac{4}{5}$$

$$45\frac{7}{9} \times 23$$

$$4\frac{1}{2} \times 49$$

$$47 \times 32\frac{1}{3}$$

Name: _____

Divide. Write the answer in the simplest form.

$$\frac{9}{11} \div 11$$

$$\frac{1}{3} \div 20$$

$$\frac{1}{2} \div 13$$

$$\frac{5}{6} \div 5$$

$$\frac{4}{5} \div 21$$

$$\frac{1}{7} \div 16$$

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$$\frac{5}{6} \div 8$$

$$\frac{7}{11} \div 6$$

$$\frac{1}{2} \div 19$$

$$\frac{2}{3} \div 12$$

Name: _____

Sarah is less than 15 years old. She is half as old as Adam. In 6 years, Sarah will be $\frac{3}{5}$ years as old as Adam. How old is Adam?

Sara is less than 15 years old. She is half as old as Max. In 7 years, Sara will be $\frac{2}{3}$ years as

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Amy is less than 15 years old. She is 14 years younger than Gavin. In 11 years, Amy will be $\frac{3}{5}$ years as old as Gavin. How old is Gavin?

Name: _____

A number is greater than 16 and less than 32. This number has exactly 4 factors.

The sum of its factors is 42.

What is the number and what are its factors?

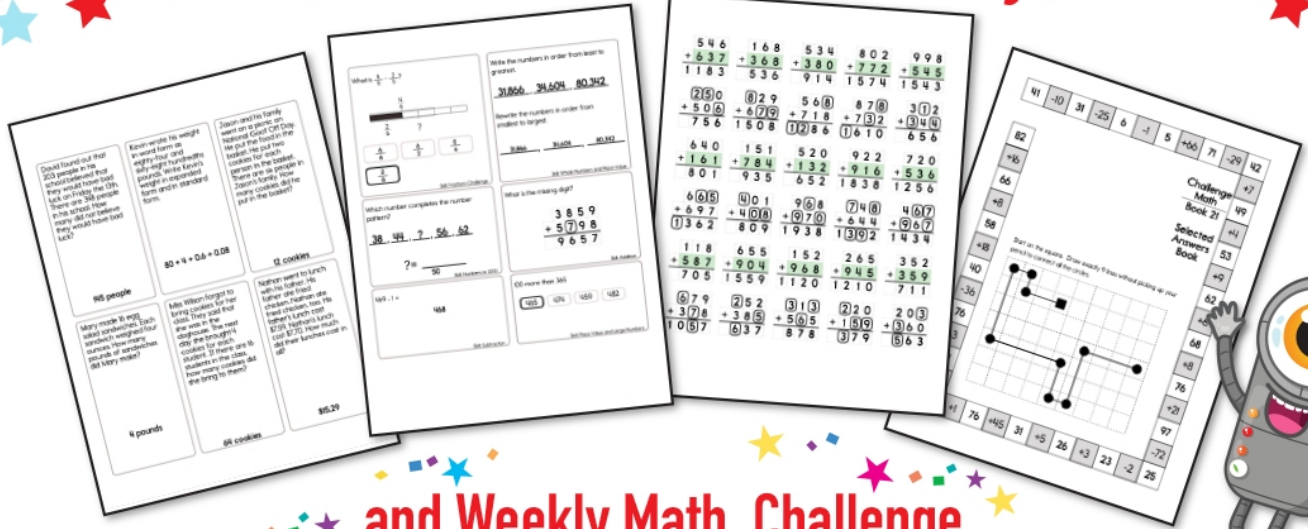
Emily has 55 cents. What fraction of a dollar is that? Be sure to simplify the fraction.

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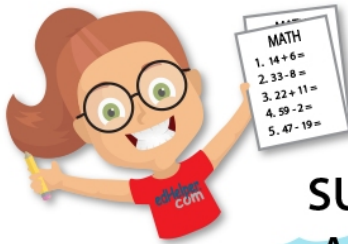
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Jenna needs to make 28 sugar cookies for a big party, but her favorite recipe is only for 14 cookies. The recipe calls for $1\frac{3}{4}$ cups of sugar. How much sugar will she need to use?

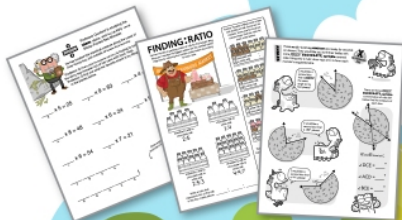
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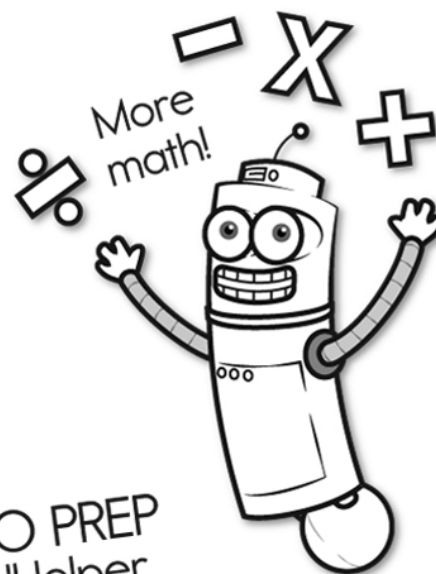
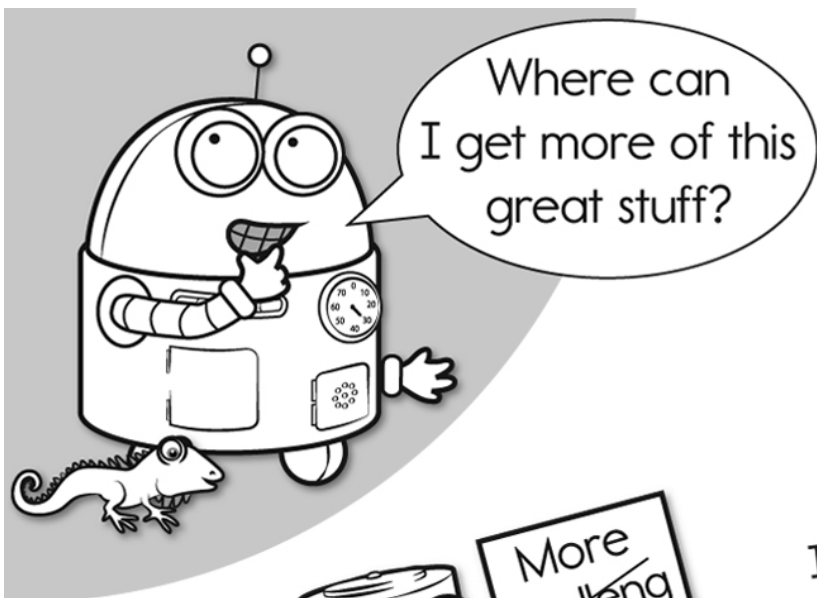
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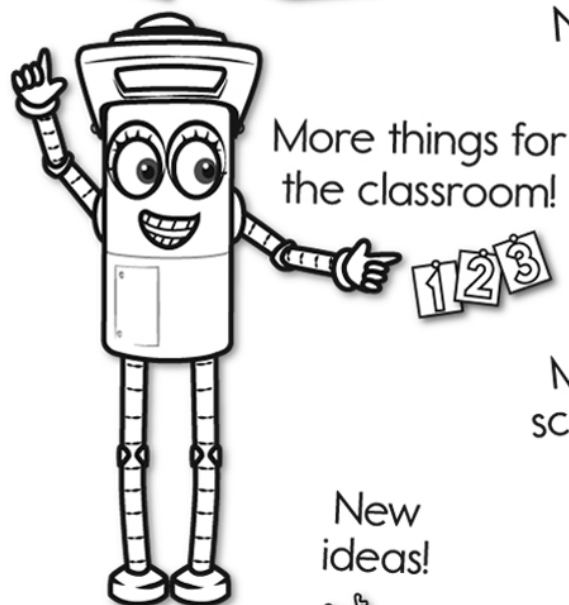
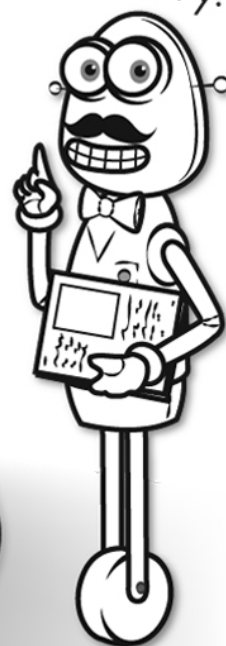
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New online math games!



1 2 3

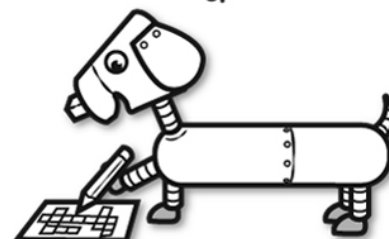
More science!

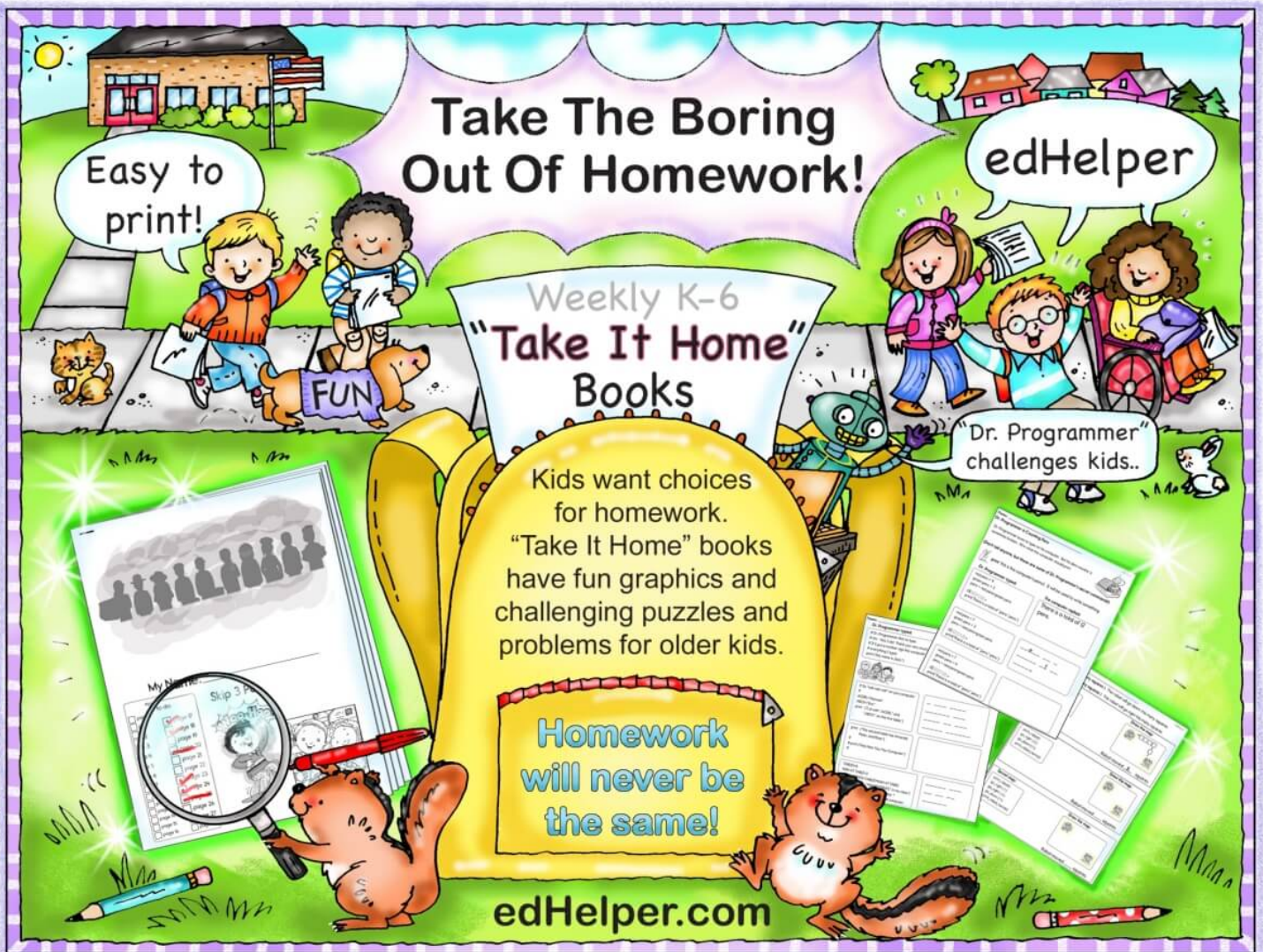
New ideas!



$\times$
 $\times =$
 $- \div$
 $< - >$

More puzzles!





Name: _____

What one-digit number is missing in this equation?

$$19 \times \underline{\quad} + 13 = 108$$

Jessica and Ava are bookworms. That means they have a lot of books! Together they have 36 books. Ava has more books than Jessica. In fact, Ava has exactly twice the number of books that Jessica has. How many books does Jessica have? How many books does Ava have?

$$12 \times 3 - 12$$

How much greater is 181 than 39?

How many minutes are there from 7:30 p.m. until 7:45 p.m.?

Name: _____

Jenna likes to multiply a number by itself. Why? Nobody knows!

"If I take my favorite number and multiply it by itself, the product will be only 19 away from 28. Can you guess my favorite number?" asks Jenna.

Write the place value that is 10 times as great as the ones place.

Emma was curious about what day will be her teacher's birthday. Today is Wednesday, and it is the 59th day of school.

"My birthday will be celebrated in 10 school days. There are 5 days each week for school and there are no upcoming holidays. Anyone know on what day of the week will be my birthday?" asked Mrs. Taylor.