Name: _____

Fill in the missing numbers.

The number 100,000 times 83 = _____

The number one thousand times 83 = _____

The number 100,000 times 8.3 = _____

It is Monday, and Sara is trying to use her pencil for as long as she can. It is currently 7.6 centimeters long. She thinks she will use 1.28 centimeters of the pencil each day. If she can use her favorite pencil that amount each day until it is 3 centimeters long, then on which day will she need to stop using this pencil?

Name: _____

Pay the bill!

Rent is due. Rose needs to pay her landlord $2,700. Her landlord's name is Amy Harris.

ROSE 1708

DATE _____

PAY TO THE ORDER OF _____ $ ____

_____ DOLLARS

MEMO _____

⑆992302978⑆ ⑈65586⑈ 1708

Pay the bill!

Rose needs money. She wants to get $60 in cash, so she writes a check payable to cash in this amount. Write this check.

ROSE 1709

DATE _____

PAY TO THE ORDER OF _____ $ ____

_____ DOLLARS

MEMO _____

⑆992302978⑆ ⑈65586⑈ 1709

Each side of a regular pentagon is 98.6 centimeters. What is the perimeter?

11 + 10 x 5 + 3

|-10| - y = 13

y =

(4,096) , (512) , (64) , (8) , (1) , $\frac{1}{8}$, _____, $\frac{1}{512}$, $\frac{1}{4096}$, $\frac{1}{32768}$

Simplify.

$\frac{93}{186}$ =

What is the remainder of 28 divided by 6?

Name: _____

The fifth grade students wrote on a balloon about their hurt feelings. Then they filled the balloons with helium, tied them, and let them go. Nine percent of the 76 students released 3 balloons each. The remaining students released only 1 balloon each. How many balloons were released in all?

Mr. Peterson packs peanuts in plastic packages. He packs 22.2 pounds of peanuts per package. Mr. Post packs peanuts, too. He packs peanuts in pink packages. He packs 20.87 pounds of peanuts per package. If each man packs 120 packages, how many more pounds of peanuts does Mr. Peterson pack?

Emily needs to make these two fractions equal. Help her find the missing number!

$$\frac{30}{72} = \frac{45}{??}$$

There are 2 prime numbers greater than 20 but less than 30. Name them.

Name: _____

Draw a line to match each problem with the same answer.

100% of 192	24% of 25	92% of 50	80% of 150
30% of 20	25% of 132	75% of 160	46% of 100
22% of 150	50% of 122	26% of 150	75% of 172
61% of 100	96% of 200	86% of 150	50% of 78

The perimeter of a rectangle is 18 cm. The longer side is 6 cm. How long is the shorter side?

What 6 coins add up to 62 cents?

How much time is it from 8:00 a.m. to 10:35 a.m.?

Estimate quickly the difference.
6,380 - 1,770

What is 50% of 224?

How many meters are there in 199 kilometers?

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{5}{12}$ would go. Is $\frac{5}{12}$ closer to 0, $\frac{1}{2}$, or 1?

Circle the three numbers whose product equals 1,920.

5 8 7

15 18 23

23 15 16

The area of a rectangle is 16 cm^2. What could the length of the 4 sides be?

Name: _____

Ms. Smith planned to show her horse in a show in England. The entry fee was 102.6 pounds sterling. The equation for changing pounds sterling to U.S. dollars is D = 1.83P. What is the entry fee in U.S. dollars? (Round off your answer to the nearest cent.)

Connor is building a bookshelf to hold his little sister's collection of Dr. Seuss books. The top of the bookshelf is a rectangle 4 feet long and 1 foot wide. How many 2 inch square tiles will he need to cover the top?

Jack and Sara are going to the pet store to buy a pet rabbit. They can buy a black rabbit, a white rabbit, or a white rabbit with black spots. The rabbits have lopped ears or straight ears. Make a tree diagram to show the possible choices.

16 cm = _____ mm

20 ÷ 10 = _____

9 x 6 = _____

Anna makes a basket for every three attempts that she makes. Megan needs eight attempts to make a basket. Each basket is worth 2 points. If they each make 96 attempts, then what is the score?

$$\begin{array}{r} 70 \\ -\ 25 \\ \hline \end{array}$$

6,459 - 3,958 = _____

7 x 4 = _____

$$\begin{array}{r} 423 \\ +\ 299 \\ \hline \end{array}$$

Can 460 be evenly divided by 5? Circle:

460 is evenly divisible by 5

460 is NOT evenly divisible by 5

Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum
1 2 4 6 12 18 H U **N** **T** **E** **R**	**13**
1 2 4 8 14 20 L A	
1 2 4 6 8 12 H	
1 2 4 8 12 18 24 O	

Make a Word	Sum
1 2 4 6 10 14 S P	
1 2 4 6 10 14 F O	
1 2 4 6 8 12 18 A	
1 2 4 6 R E	

$$\begin{array}{r} 45 \\ +\ 30 \\ \hline \end{array}$$

$9 \div 3 =$ _____

Anna is going to roll two dice. What is the chance that her total will be either 8 or higher on her first roll?

$$\begin{array}{r} 335 \\ -\ 234 \\ \hline \end{array}$$

Here is a pattern of letters:

H S H H S H H S H . . .

What letter will be the 26th term in the pattern?

$8 \times 5 =$ _____

$9 \times 3 =$ _____

$11 \times 6 =$

word root **com** can mean **together or with** **commemorate, commotion, compose**

Name: _____

73,448 - 58,181 = _____

How many inches are in 3 feet?

_____ inches

Make a decimal number. Start with a zero and a decimal point. Then use these numbers: 40, 5, 5, 8, and 3. Make three different decimal numbers. Put your theee decimal numbers in order from largest to smallest.

Write the numbers 20 to 50 on a sheet of paper.
How many of these numbers are divisible by 2?

_____

1 km = 1,000 m

13 km = _____ m

661 + 823 = _____

Wendy told Maria that she multiplied two consecutive whole numbers and the answer is 210. Maria doesn't believe that is possible. She thinks Maria must have multiplied wrong. Who is correct?

Can 216 be evenly divided by 9? Circle:
216 is NOT evenly divisible by 9
216 is evenly divisible by 9

5,731 - 1,386 = _____

What number is halfway between 5 and 11?

7 x 5 =

32 ÷ 4 = _____

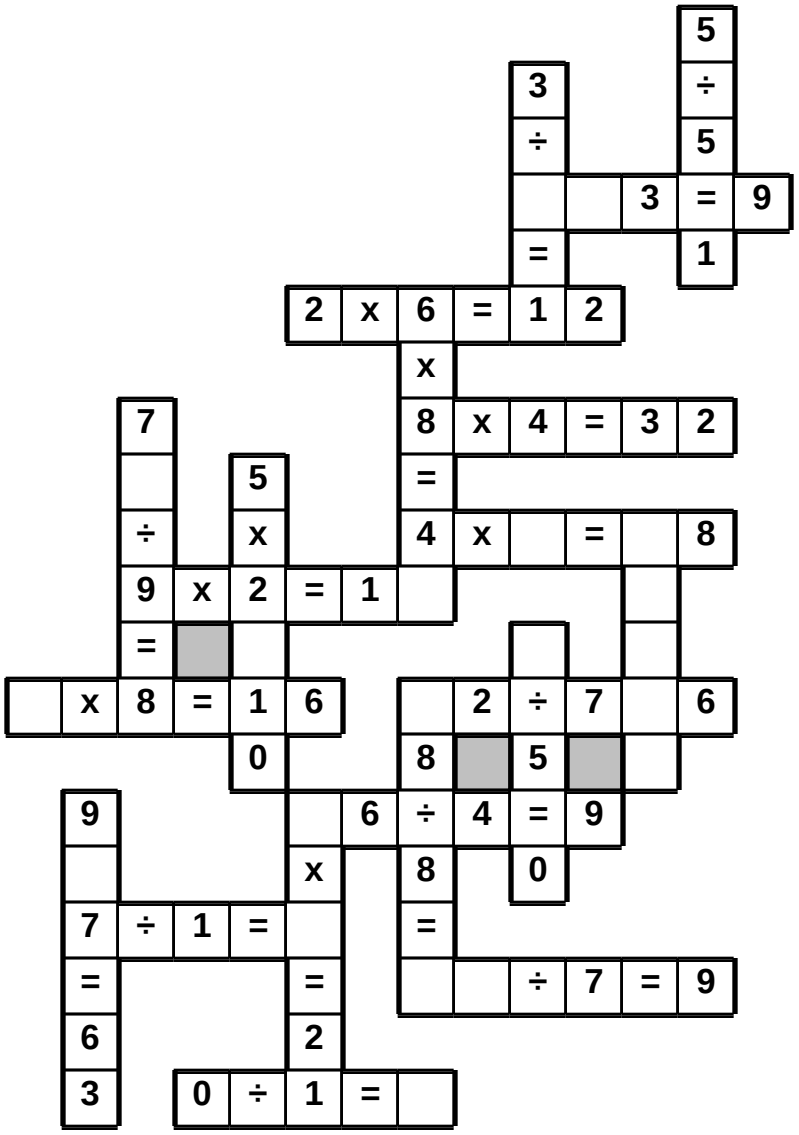
For 399,493,520,852,876, write the digit that is in the ten thousands place.

_____

Name: _____

3 • x • 2 • 7 • 2 • 8 • x • = • 0 • 2 • 2 • 4 • = • 4 • 3 • x
7 • 6 • 3 • 0

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



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

six hundred twelve thousand, two hundred thirty-seven

_____

714 + 118 = _____

10 x 9 = _____

Name: _____

Jason, Michael, Kaylee, and Elizabeth listed how much they weigh on a piece of paper (70 kg, 47 kg, 43 kg, and 79 kg)

Figure out how much each person weighs.
(Hint: The gravity factor is 0.795 on Uranus, 1.125 on Neptune, 0.907 on Venus, 1 on Earth, 0.38 on Mars, 0.041 on , 0.925 on Saturn, 2.34 on Jupiter, and 0.284 on Mercury).

1. Kaylee would weigh 1.9 kg on the ninth planet from the sun.
2. On Uranus, Elizabeth would weigh 14.4 fewer kilograms.
3. Jason and Michael would weigh 46.4 kg altogether on Mars.

Jason weighs _____ kg.

Michael weighs _____ kg.

Kaylee weighs _____ kg.

Elizabeth weighs _____ kg.

Mary got a new soccer shirt.
Can you guess the number on the back of her shirt?

It has two digits.
The digits add up to 11.
The larger digit is 5 more than the smaller digit.
The number is odd.

Circle the smallest number:

482,243

567,891,090

27,085

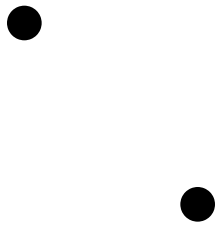
931,643,019,576

16 ÷ 2 = _____

4 x 6 = _____

Name: _____

Hannah wrote the number 4 on a card and put it in a hat. Then, she wrote the number 7 on a card and put it in the same hat. Hannah then randomly took out the cards from the hat to make a number. What is the probability that her two-digit number is more than 46?



Draw two different rectangles using the vertices.

Robert brought a bucket of pennies, nickels, dimes, and quarters to class. He wrote instructions on task cards. On the first card he wrote, "Make 59 cents from 3 coins." On the second card he wrote, "Make 45 cents from 3 coins." He gave one card to Max, and he gave the other card to Nathan.

Max and Nathan figured out the coins to use and showed them. Apparently Nathan counted wrong because his card's task was not possible. Which card did he get and why?

a. Which equation has the largest quotient?

21 ÷ 3 or 18 ÷ 3?

b. Which equation has the largest quotient?

576 ÷ 16 or 432 ÷ 16?

c. Which equation has the smallest quotient?

351 ÷ 13 or 455 ÷ 13?

d. Which equation has the smallest quotient?

450 ÷ 18 or 594 ÷ 18?

Name: _____

Holly was bored. She asked her mother if she could make cookies. Her mother agreed, so Holly got busy. She made 3 dozen oatmeal cookies and 20 chocolate chip cookies. How many cookies did she make in all?

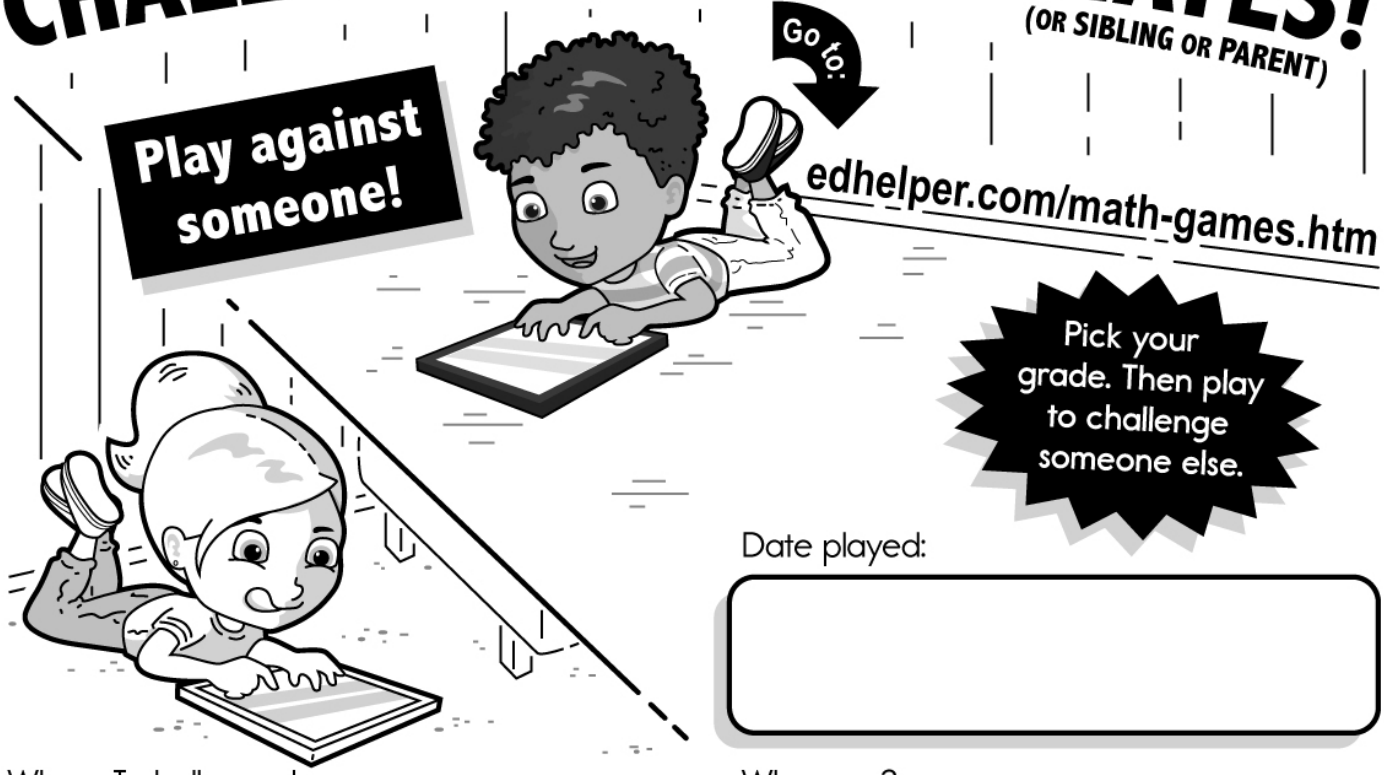
Why is 9 a perfect square but 8 is not? Prove it without using a calculator.

Hunter likes to make different kinds of paper. He is making special pages for a blank book for his mother. She is going to write her memoirs in it. Each page is 8.5 inches wide and eleven inches long. What is the area of each page?

Name: _____

CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)



Date played:

Whom I challenged:

Who won?

Explain what you learned from one math problem you got wrong.

5 - 6 =

On a number line, what is the number that is 4 spaces right of -1?

Rewrite 14 + -4

___ - ___ = ___

Name: _____

Two numbers are in the ratio 1:2. The sum of the numbers is 3. What are the numbers?

A robot came out of a box knowing some words. It knew a total of 30 words after 4 days. Each day it learned 3 new words. How many words did it know after learning 3 new words on the first day?

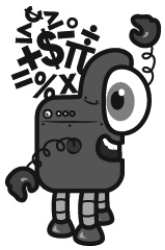
How many words did it learn after the third day?

Sketch 2 lines $\overleftrightarrow{CD}$ and $\overleftrightarrow{XY}$ that are parallel.

Sketch 2 lines $\overleftrightarrow{JK}$ and $\overleftrightarrow{ST}$ that are intersecting.

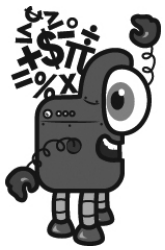
Name: _____

Mental Math — #1 —



- Start with the number 466. **466**
- Add half of 50. _____
  1 3 4 9 1 1 8 0 3 8 (Circle your answer to double check you are correct.)
- Add three-fourths of a dozen. _____
  9 5 0 0 2 9 8 0 6 4
- Add 40. _____
  3 0 9 5 4 0 5 3 2 6
- Divide by 10. _____
  8 4 9 9 5 4 6 8 1 1
- Divide by 9. _____
  3 9 1 2 6 8 8 3 6 2

Mental Math — #2 —



- Start with the number 5. _____
  5 9 9 2 8 1 1 1 2 1 (Circle your answer to double check you are correct.)
- Add 4. _____
  7 7 5 6 1 8 9 2 3 0
- Find the square root. _____
  1 6 3 6 7 3 8 3 2 5
- Add 47. _____
  4 3 3 4 1 9 6 5 0 9
- Increase that number by 7. _____
  8 8 1 5 7 0 6 1 7 6
- Subtract the number of inches in 2 feet. _____
  2 1 7 7 3 3 6 3 1 8

Name: _____

Mary picks a number between 1 and 7.
Anna picks a number between 1 and 7.
What is the probability that they both picked different numbers?

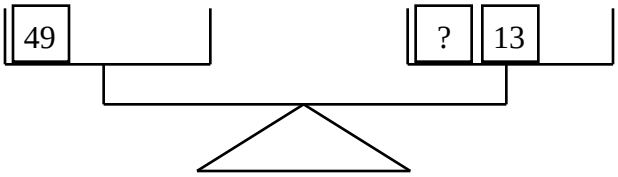
It has been an intense softball season. April, Sarah, and Rose are friends, but they all are on different teams in the league. April's team has won 12 games and lost 6 games. Sarah's team has won 6 games and lost 12 games. Rose's team has won 9 games and lost 9 games.

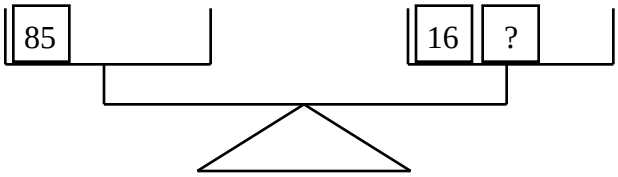
Which team has the best record?

Jenna bought 2 pizzas for a party at the pool. Jenna invited 9 of her friends. They all showed up except for Amy and Holly. Each pie has 5 slices. If everyone (all her friends and Jenna) first has one slice, how many people would be able to have a second slice?

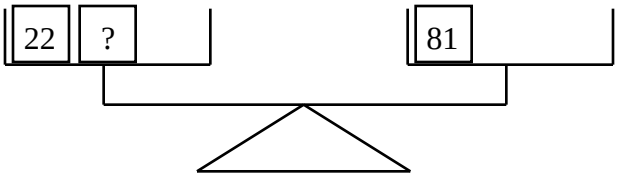
Jason has a large collection of nickels, dimes, and quarters. He only wants to keep his quarters, so he gave away his nickels and dimes to his 3 friends. He gave $14.48 to Connor, $12.60 to Nathan, and $12 to Hunter. Wait! One of those amounts he counted is wrong. Which of the amounts did he count wrong and how do you know?

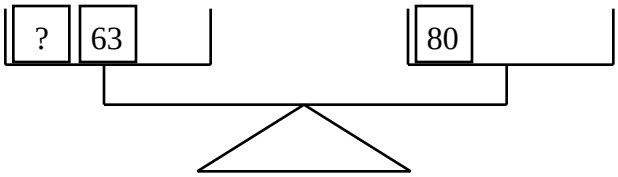
Name: _____



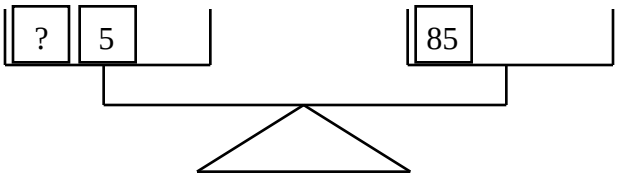


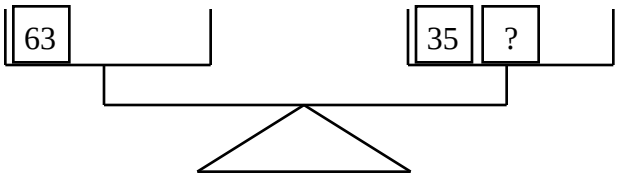
49 = 36 + 13 _____ _____ = _____



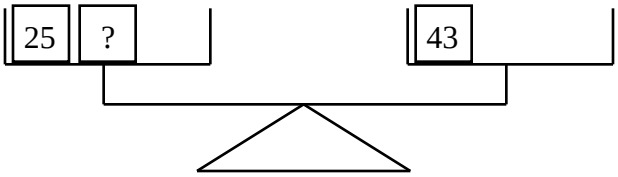


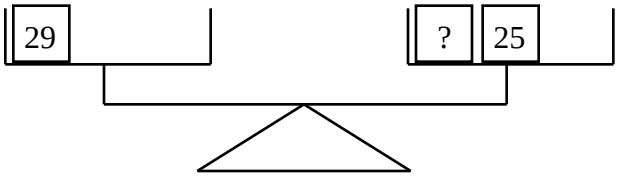
_____ = _____ _____ = _____





_____ _____





_____ _____

Name: _____

Percentage	Decimal
10%	0.1
83%	
	0.46
	0.05
97%	
2%	

Fraction	Percentage
$\frac{80}{100}$	
$\frac{40}{100}$	
	20%
$\frac{65}{100}$	

Fraction	Decimal
$\frac{6}{10}$	
$\frac{13}{100}$	
$\frac{56}{100}$	
	0.02

Percentage	Fraction
45%	
85%	
	$\frac{55}{100}$
	$\frac{60}{100}$

If t = 4 and y = -36 then what is the value of j?
7t - 14y - 4y = j

If g = -5 and w = 51 then what is the value of s?
5g - 11w - 3w = s

$3 \times 3 = x^2$

What is the value of x?

word root **in** can mean **not** **insomnia, insane**

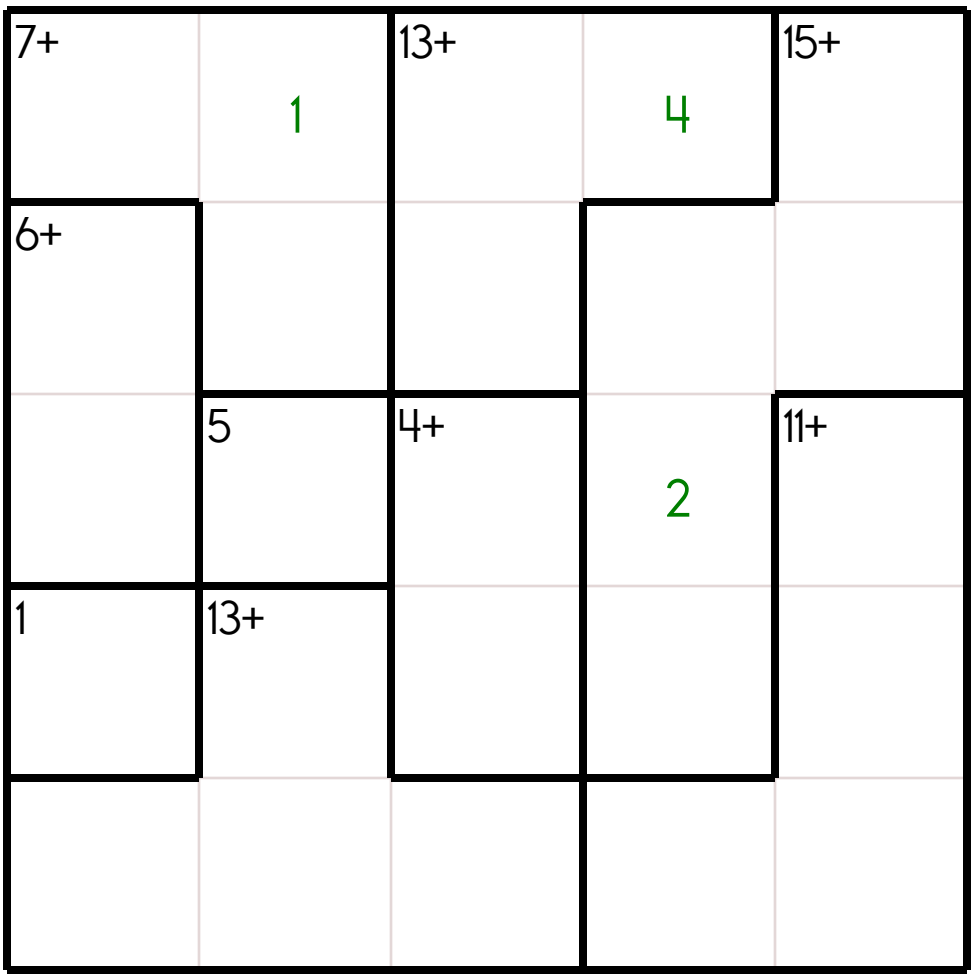
Name: _____

$69\frac{4}{8}$	$-3\frac{2}{9}$		$-\frac{8}{9}$	-38		-41	
							$-6\frac{6}{8}$
			-17	$-\frac{5}{8}$		$+\frac{3}{9}$	
			$+44$	-2		$+32$	
	$+23$		$-\frac{1}{2}$	$-1\frac{1}{2}$		$+\frac{1}{2}$	
$+9$				$108\frac{55}{72}$			
	-16		$+\frac{3}{8}$	$+\frac{1}{2}$		$-\frac{3}{8}$	$51\frac{25}{72}$

4 x 7 =	6 x 3 = _____	
20 ÷ 2 = _____	60 ÷ 6 =	What number is halfway between 35 and 42?

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.
Every row must contain the numbers 1, 2, 3, 4, and 5.
Every column must contain the numbers 1, 2, 3, 4, and 5.
In a cage with a plus sign, the given number will be the sum of all the digits in the cage.



Fill in the blanks. These equations are from the puzzle above.

____ + ____ + ____ + 4 = 11

____ + 3 = 4

____ + ____ + ____ + 2 + ____ = 15

____ + ____ + 4 + ____ = 13

____ + 4 + ____ = 13

____ + 4 = 6

____ + 1 + ____ = 7

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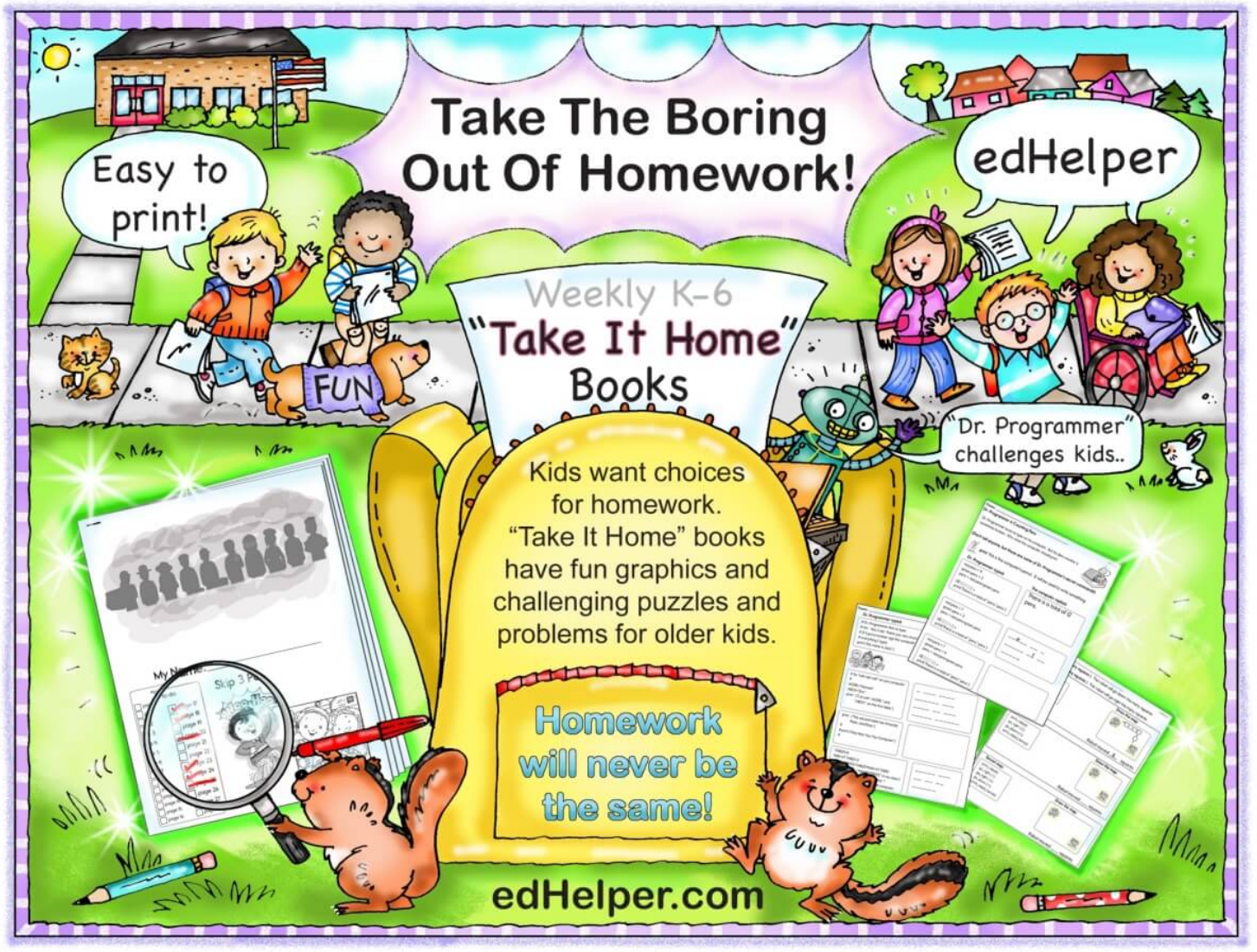
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