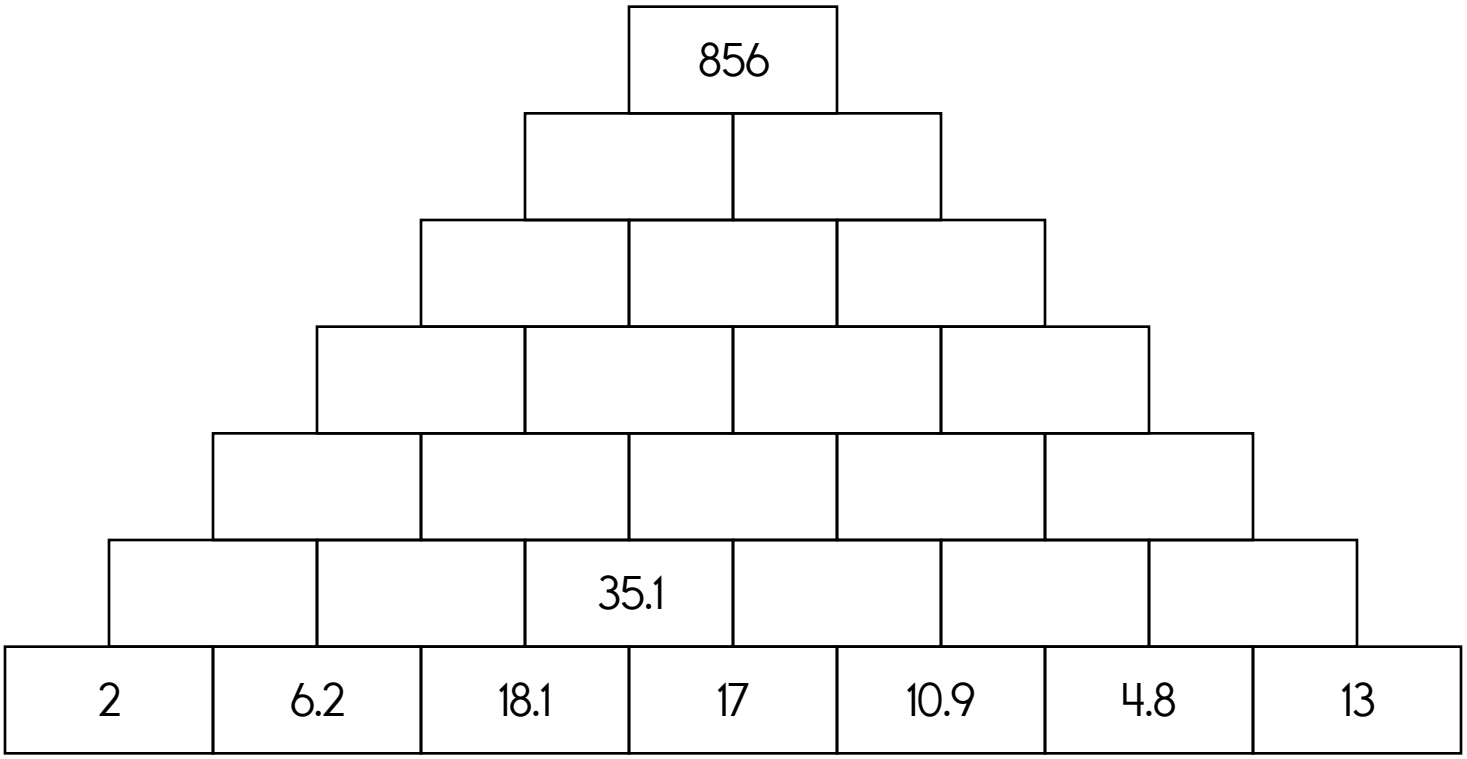
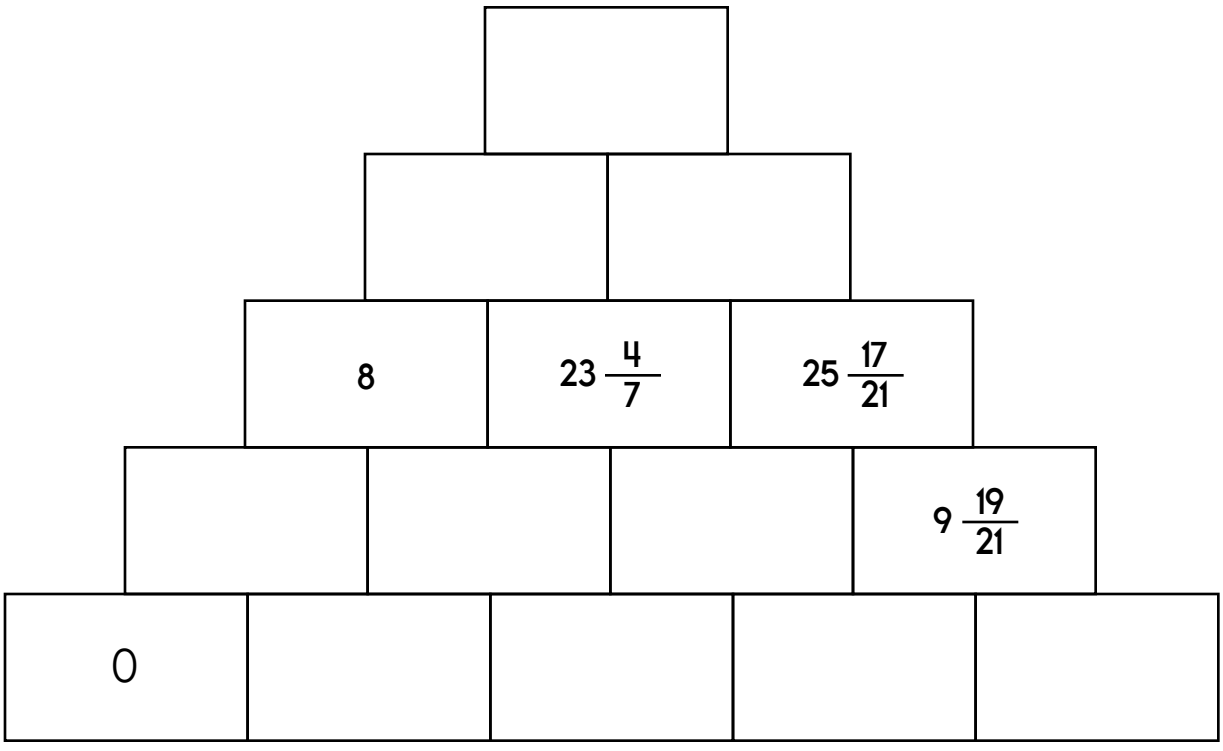
Name: _____

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





How many ounces are in 8 pounds?

_____ ounces

Name: _____

Cross off the number that does NOT belong.

7, 1, 1, 1, 7, 7, 1, 7, 1, 1, 1, 7, 7, 7, 7,

7, 1, 1, 1, 7, 7, 7, 7, 7, 7, 7, 1, 1, 1

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

6.47, 14.62, 11.51, 23.51, 32.6, 58.73, 102.84, 194.17,

355.74, 652.75, 1202.66, 2211.15, 4066.56, 7480.37, 13758.08

Why does _____ not belong in the pattern?

Name: _____

Complete each pattern, using the same rule. Write what the rule is.

14, 28, _____, _____, 70, 84, 98, 112

56, 70, _____, 98, 112, 126, 140, 154, _____

98, _____, _____, 140, 154, 168, _____, _____, 210

140, 154, 168, 182, _____, _____, 224, 238, _____

Complete each pattern. Write what the rule is for each pattern.

(390,625), (78,125), (15,625), (3,125),

(625), (125), (25), (5),

(1), _____

(64), (16), (4),

(1), $\frac{1}{4}$, $\frac{1}{16}$,

$\frac{1}{64}$, $\frac{1}{256}$, _____

Name: _____

Justin is painting the top, front, back, and sides of the four boxes he made for the prize-winning pets to stand on at the end of the contest. The boxes are $2\frac{1}{4}$ feet by $2\frac{4}{7}$ feet by $3\frac{2}{3}$ feet. Each can of paint covers 16 square feet and costs $4.91. How much will it cost him to paint the boxes?

Mary is making pretzels for her Junior Garden Club. She is going to make the dough in a bread machine. It will take 1 hour and 30 minutes for the dough to be ready. Then she has to make the dough into pretzels and bake them in the oven for another 23 minutes. If she starts making the pretzels at 2:10 p.m. and it takes her 31 minutes to make all the dough into pretzel shapes. What time will the pretzels be finished baking?

Ava lives at the point (9, -17). She wants to go to the closest mall. There are two malls on the map. Mall AA is at (3, -3), and Mall BB is at (9, -14). On the map she can only travel vertically or horizontally, one unit at a time. She cannot go diagonally. So she could go from (1,3) to (1,4) or (1,3) to (2,3), but not from (1,3) to (2,4). Which mall is closer to her?

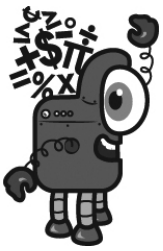
Reduce $\frac{18}{42}$ to its lowest terms.

$$\begin{array}{r} 19.2 \\ +\,14.84 \\ \hline \end{array}$$

Change $\frac{89}{100}$ to a percent.

Name: _____

Mental Math — #1 —



⌘ Start with the product of 5 and 4. 20

⌘ Add half of 58. _____

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

⌘ Increase that number by 7. _____

1 5 6 4 6 7 4 6 5 8

⌘ Find one-eighth. _____

8 4 3 8 9 7 6 7 1 9

⌘ Multiply by 5. _____

7 1 3 4 1 9 3 5 8 8

⌘ Divide by 5. _____

7 7 6 7 8 8 7 0 2 0

⌘ Multiply by 4. _____

3 3 1 2 8 4 5 3 7 7

⌘ Triple that number. _____

4 1 7 0 1 8 4 0 5 7

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

4 6 5 7 1 2 2 5 7 6

⌘ Triple that number. _____

6 9 3 6 7 4 3 6 4 1

⌘ Add one-fourth of a dozen. _____

7 3 5 5 9 3 9 2 8 8

Name: _____

The school nurse has $3\frac{1}{2}$ boxes of Band-Aids. She gave $\frac{1}{2}$ of a box to each 5th grade class at Martin School and had no Band-Aids left over. How many 5th grade classes are there?

Justin has 32 living relatives. Of that number, 14 are more than 50 years old. What is the ratio of relatives over 50 to relatives 50 or younger?

Mr. Brown bought two books about penguins for his class. The books cost $14.88 and $17.26. He paid for them with 2 $20 bills. How much money did he have left?

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

_____

Can 914 be evenly divided by 10? Circle:
914 is evenly divisible by 10
914 is NOT evenly divisible by 10

56 ÷ 8 = _____

11 x 8 = _____

$$\begin{array}{r} 924 \\ -\ 542 \\ \hline \end{array}$$

Rewrite these in increasing order of length:

998 mm, 533 cm, 693 m, 8 dm, 38 km

973 - 735 = _____

Name: _____

A bike originally priced at $90 is marked down by 40%. What is the sale price?

110 ÷ 10 = _____

1 km = 1,000 m

22 km = _____ m

37
- 25

7 x 8 = _____

Can 244 be evenly divided by 6? Circle:
244 is NOT evenly divisible by 6
244 is evenly divisible by 6

23 cm = _____ mm

81 ÷ 9 = _____

What should replace the F in this equation?

22 - 14 + F = 29

Circle the greatest number:

9,605,231	35,421,098,678
473,495,618	207,359,761,428

12 x 7 =

45
+ 49

6 x 10 =

283
+ 240

44 ÷ 4 =

Name: _____

11 x 3 = _____

20 ÷ 4 =

20 ÷ 2 = _____

What number is halfway between 10 and 23?

4 x 9 = _____

4 x 11 = _____

What number is halfway between 8 and 16?

You have four digits to use in an addition problem: 6, 7, 3, and 2. Make up a problem where you have two 2-digit numbers. What is the largest sum you can make?

15 ÷ 5 =

Megan 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.
One digit in her number is four.
The hundreds digit is 1 more than the units digit.
The three digits add up to eight.

Are you going to get candy?

66 ÷ 11 = _____

5 x 8 =

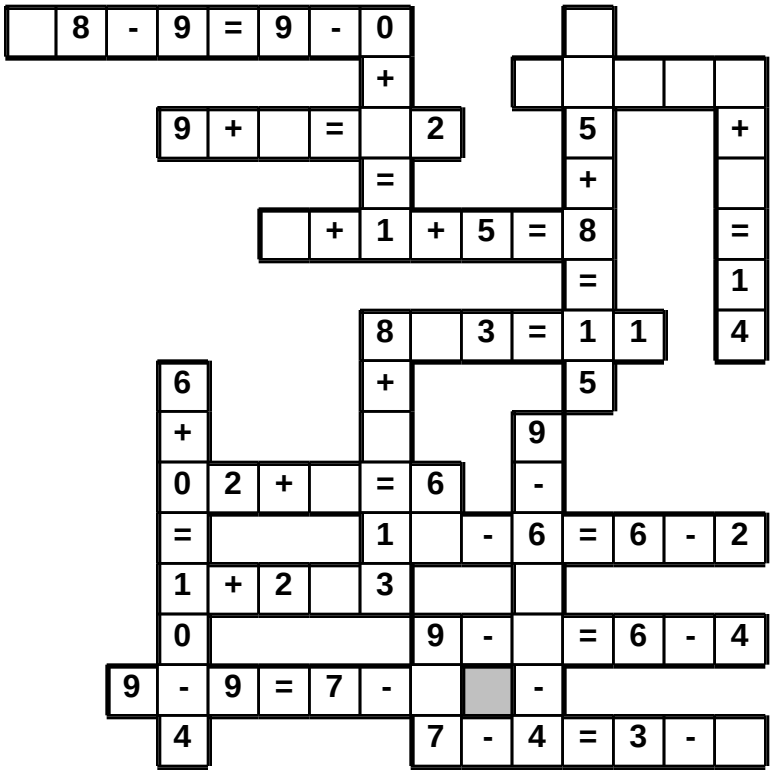
The boys in your class each were given a ticket with a number on it. The numbers given out were: 13, 25, 2, 23, 11, 29, 14, 3, 31, 1, and 39. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 4?

7 x 3 = _____

Name: _____

1 • 2 • 1 • + • 5 • = • 6 • 3 • 1 • 8 • 2 • + • 5 • 4 • 0 • =
= • 7 • 7 • 0

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



60 ÷ 12 = _____

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

four hundred sixty thousand, one hundred four

_____

3 x 3 = _____

8 x 12 = _____

In the number 843,755,529,160, the digit 1 is in what place?

_____

44 ÷ 11 = _____

For 29,088,851,048,440, write the digit that is in the ten thousands place.

_____

1,154 + 4,744 = _____

word root **ferous** can mean **producing** **vociferous**

Name: _____

Ava invited her friends over to celebrate her birthday. She has 34 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 4 boxes of strawberry sour mints. She has 10 boxes left. How many goodie bags did she give out?

Pumpkins are on sale for $1.18 per pound. David bought a 2-pound pumpkin. Gavin bought a 7-pound pumpkin. How much more did Gavin pay?

Anna works at the garden center. She counts the petals on a tree with three branches. The tree has 6 petals for each flower. She counts 3 flowers on the first branch, 11 flowers on the second branch, and 5 flowers on the third branch. How many petals does this tree have?

Name: _____

Add one set of parenthesis to each equation so that the equation is true.

(4 + 11) x 12 = 180	9 ÷ (7 + 2) = 1
10 + 8 x 10 = 180	10 + 8 x 10 = 90
6 + 6 x 6 - 6 = 6	6 + 6 x 6 - 6 = 66
5 x 8 + 11 ÷ 11 = 41	7 + 9 x 6 - 4 = 25
7 - 6 + 2 x 5 = 11	10 ÷ 1 + 1 - 1 = 10
1 x 8 + 10 - 2 = 16	7 + 12 + 4 x 6 = 103
9 - 3 + 2 + 3 = 11	8 + 8 + 8 x 3 = 40
8 ÷ 4 + 4 + 8 = 9	5 + 8 + 11 - 9 = 15
11 x 10 + 5 - 9 = 106	12 x 4 - 8 ÷ 2 = 44

Name: _____

A printer can print 44 pages in 4 minutes. How many pages can the printer print in one minute?

How many pages can the printer print in one hour?

One pitching machine can throw 6 pitches in 102 seconds.

One pitching machine can throw

_____ pitches in 136 seconds.

Two pitching machines can throw

_____ pitches in 102 seconds.

Two pitching machines can throw

_____ pitches in 136 seconds.

Pam is playing the Zeepers app where she needs to fly her spaceship to different planets. Her spaceship uses Zinko fuel and can travel 4,242,000 miles on 7 cups of Zinko. If her spaceship currently has 10 cups of Zinko, what is the maximum distance it can fly before running out of fuel?

A robot went a distance of 3,635 meters in 4 hours. What was its speed?

Name: _____

Children's Day is one of five holidays that occurs during Golden Week in Japan. Yuko is traveling to Japan on May 1 to spend a week with her grandparents. If she buys her ticket 14 days in advance, it will cost $536.09. If she does not buy it 14 days in advance, it will cost $747.40. How much will she save by buying early?

The school nurse made a presentation about smoking to the 7th grade class. She said that smoking hurts your health. She said it also hurts your pocket! She said that a pack of cigarettes costs about $3.27 plus 5% sales tax. How much would a person spend on cigarettes in a year if he smoked one package of cigarettes on each of the 365 days of the year?

The Farmers' Market charges $4.18 for a jar of apple butter. The clerk multiplies the price by 1.05 to find the total cost including tax. Mrs. Garcia bought 4 jars of apple butter. How much change would she get from a twenty dollar bill?

The artist used 120 ml of red paint on the huge canvas. What fraction of a liter did he use?

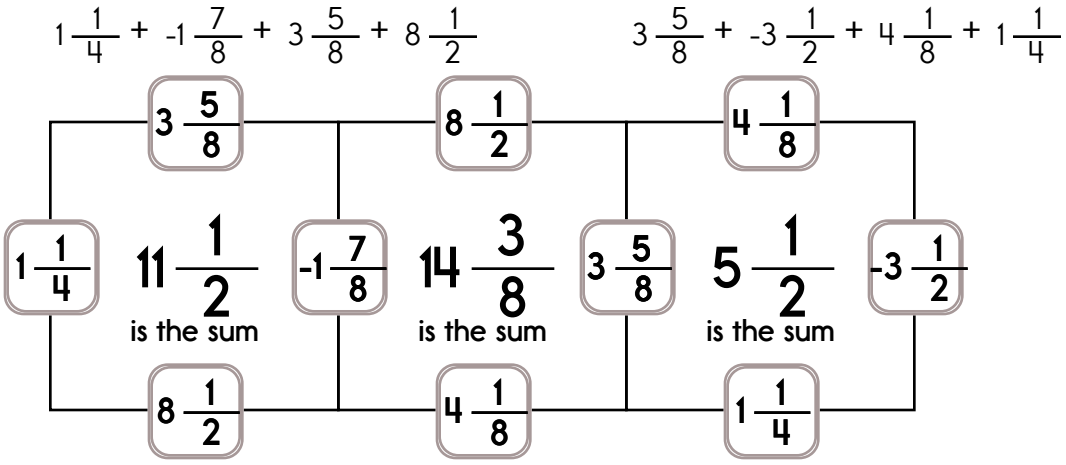
The equation r + 3 = 18 describes the number of runs hit by the Tigers and the Panthers in the last game. If r is the number of hits made by the Tigers, how many hits did the Panthers have?

word root **cyclo** can mean **circle** **cyclone, bicycle**

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

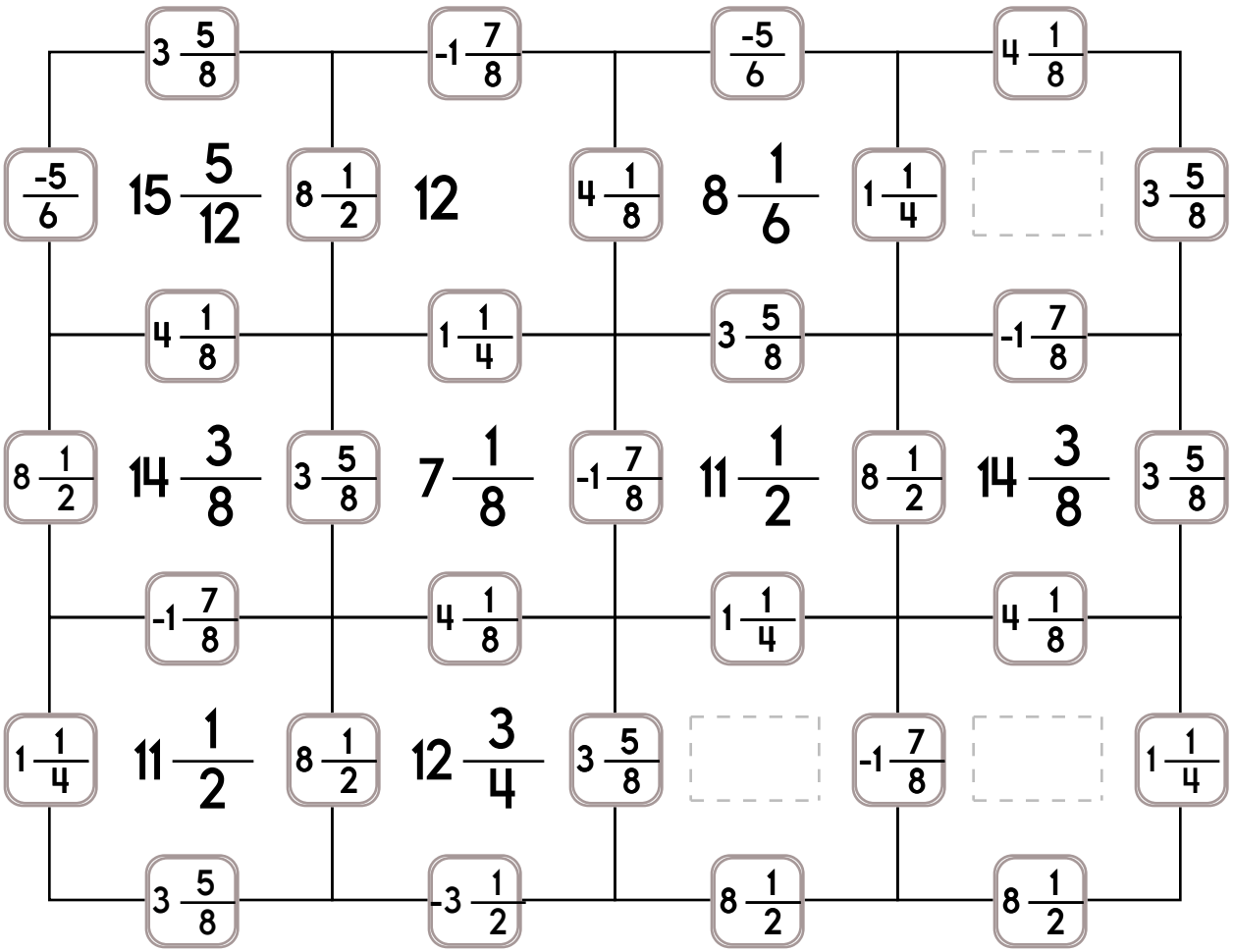
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $-1\frac{7}{8}$, $\frac{-5}{6}$, or $-3\frac{1}{2}$.

The other three numbers have to all be DIFFERENT and must be from these: $4\frac{1}{8}$, $3\frac{5}{8}$, $8\frac{1}{2}$, or $1\frac{1}{4}$.

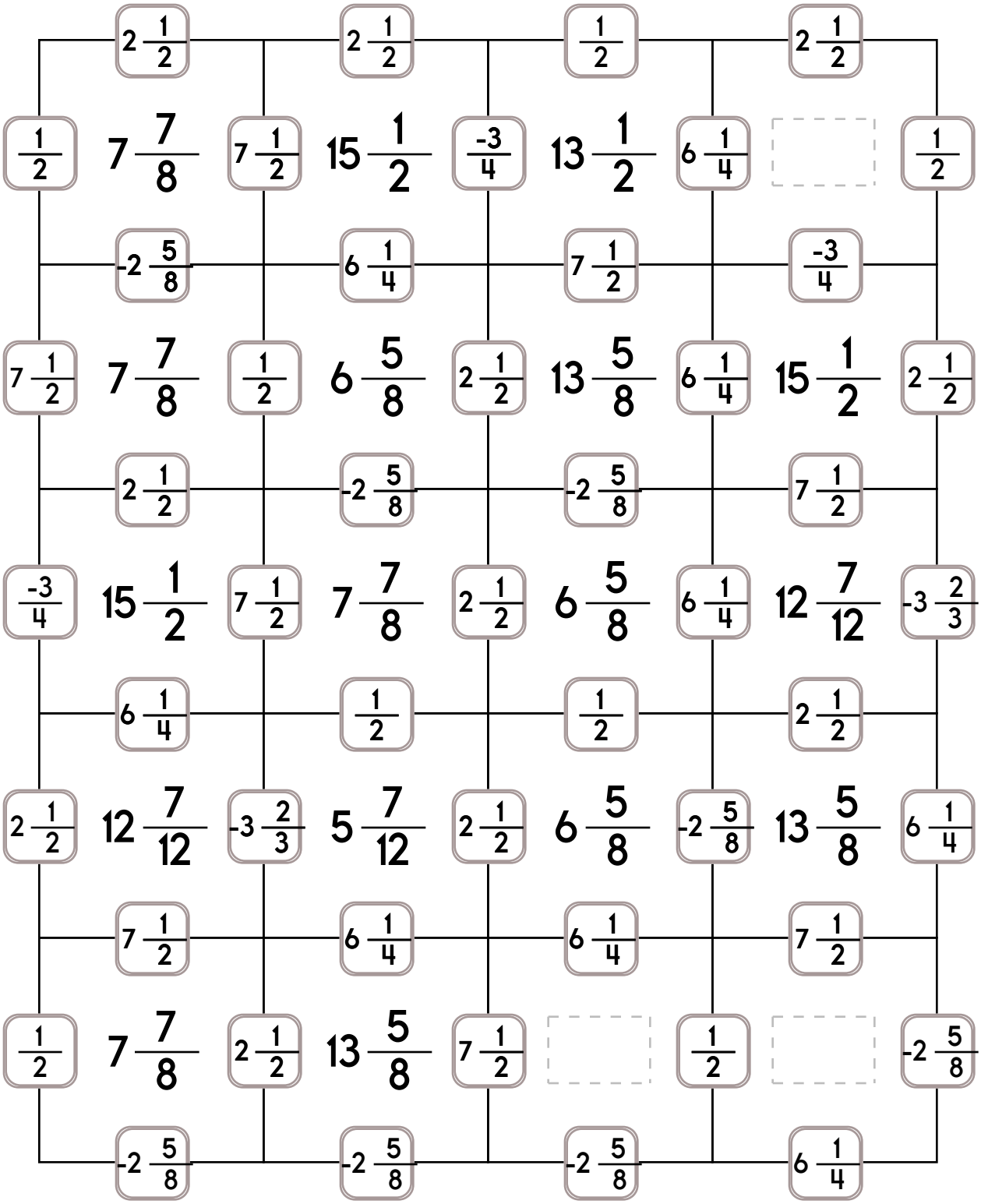


Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $-2\frac{5}{8}$, $-3\frac{2}{3}$, or $\frac{-3}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: $6\frac{1}{4}$, $7\frac{1}{2}$, $2\frac{1}{2}$, or $\frac{1}{2}$.

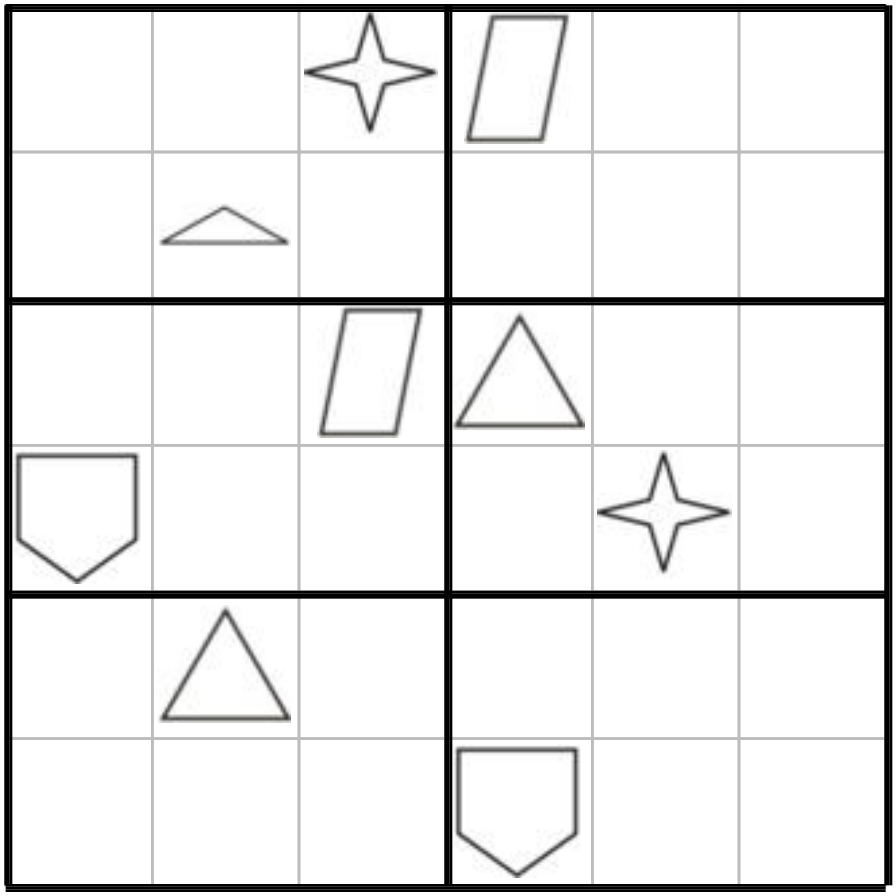


Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

5	4	2			1
3	1	6		2	
4		1			6
6	2			4	3
1					
			6		4

Each row, column, and box must have 6 different pictures.



Name: _____

Can you guess the word?

No duplicate letters can be used.

T	R	I	E	D

The letter T is in the word and is in the correct spot.

B	R	A	I	N

The letter R is in the word, but R is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

M	A	J	O	R
C	L	A	I	M
S	H	A	M	E

B D F G K N P Q T U V W X Y Z

Let's check if you guessed correctly. Look across or down to find the correct answer.

L A R L A H Y T C M M M M F S A E L E
S H A M E L Y M K E R B F E K A V H P
T M P S S O M Z M A P A T A B K S S I
A M A C L H C L A I M P A S M B T P M
M M P J T A Y C A P V S J A I H M A A
P N A M S C K A M Q M S M E C W A M P

Hint: There are no duplicate letters in the answer.

G	R	I	E	F
G	R	A	C	E

B D H J K L M N O P Q S T U V W X Y Z

Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

G G S K A E E F K A R R E G J
C R R E G R F A X R G B I E A
R E W E E R G G T C K C E G G
E E E G A R I F R A T Z G E X
E C A T R T M E E R R P Q V E
F T W A G A A I F K R E K G G
P C G Y R A C R S Y N G A R X
E A K A K G G E R F E T I A A

Hint: There are no duplicate letters in the answer.

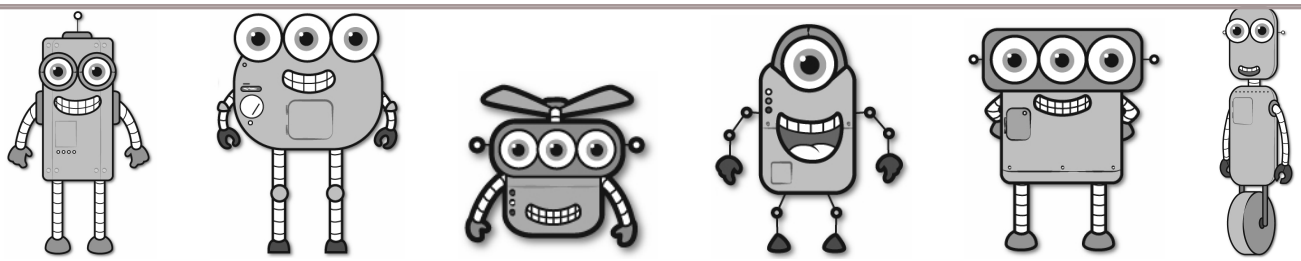
R	I	F	L	E
G	I	V	E	N

A B C D H J K M O P Q S T U W X Y Z

Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

N T V I R J R T E N L R G A T I O L B
E Y I N E I I G H I T G A P G I C H G
T G T H R I F E L V G G I I G V I R G
T L I H N R L L I L C D V V V I V G H
N Y E G T E L G E G Z Q E I N R V G H
G F I G T E G E H R H G R K V E E E U
G N G J J V I G G T W T L E E Y E G N
T I Q F J G H T N H F V E F I E I I G

Name: _____



Facts

Eric is fifty-three years older than Connor.

Lucas is twenty-six years older than Amy.

Rosa is thirty-three years older than Connor.

Connor is eight years old.

Jessica is four years older than Amy.

Amy is five times as old as Connor.

How old is Connor? _____

How old is Eric? _____

How old is Amy? _____

How old is Jessica? _____

How old is Rosa? _____

How old is Lucas? _____

Write the missing family fact.

12 x 23 = 276
276 ÷ 23 = 12
23 x 12 = 276

_____

11 x 3 = _____

18 ÷ 9 = _____

word root **re** can mean **again** **return, recall**

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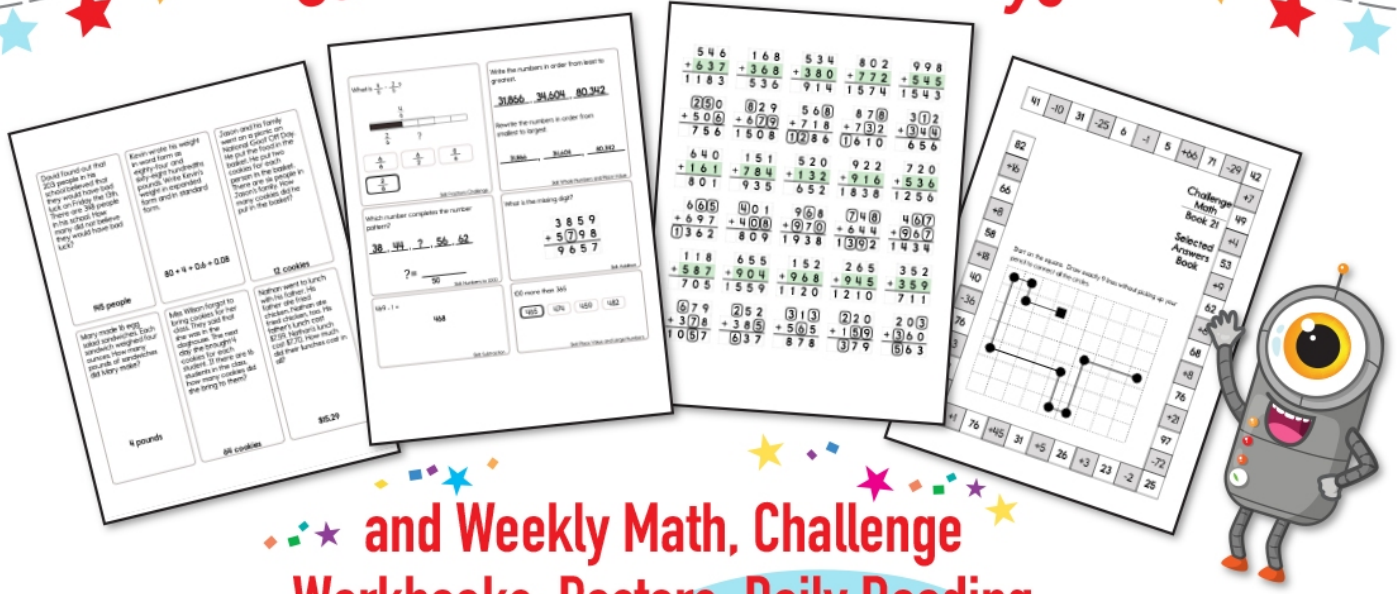

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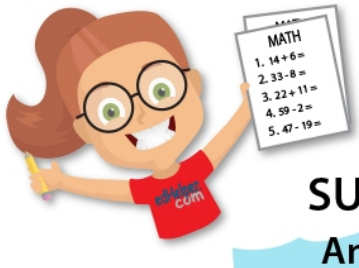

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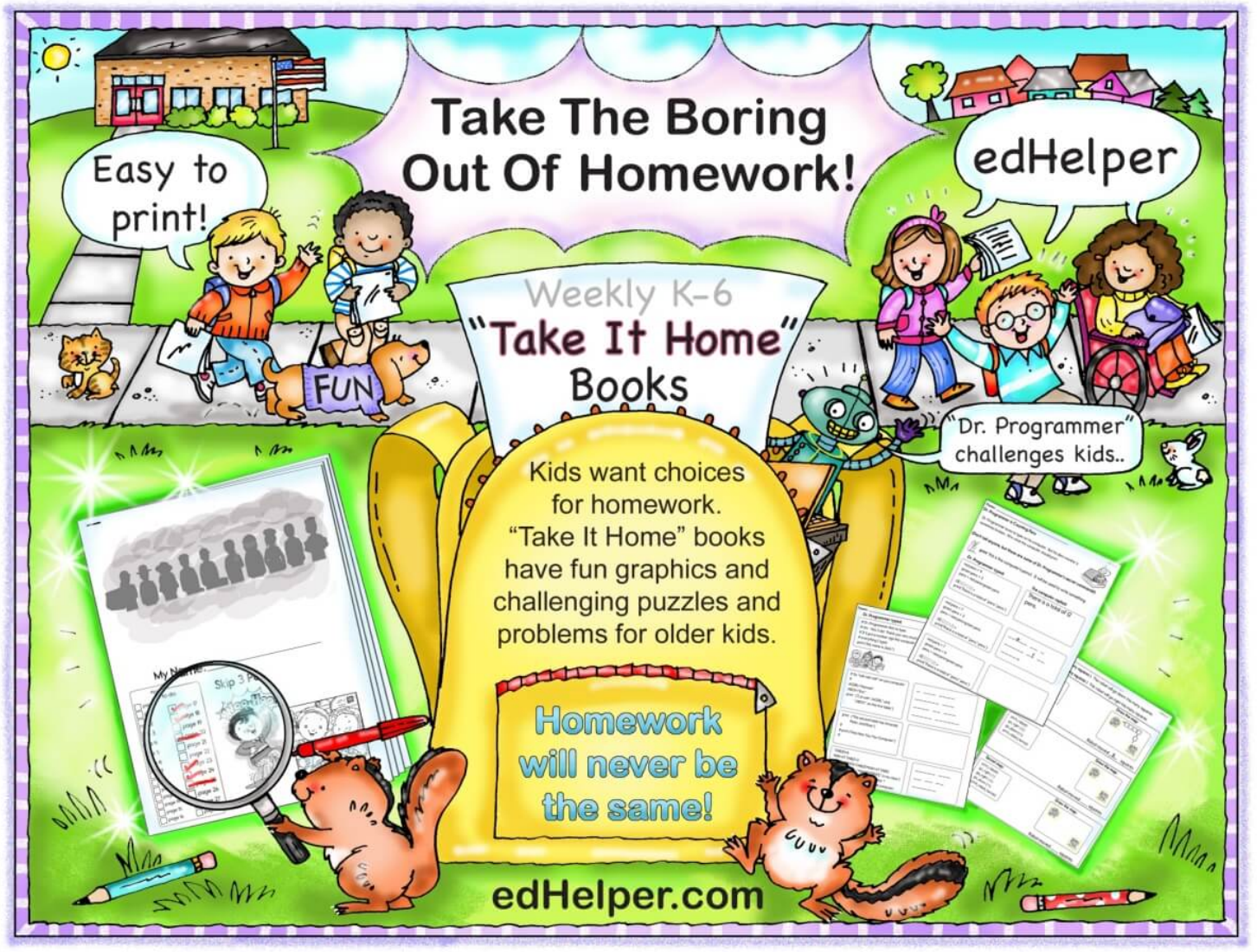
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