MathWorksheets.com
Week of December 20

**Name:** _____

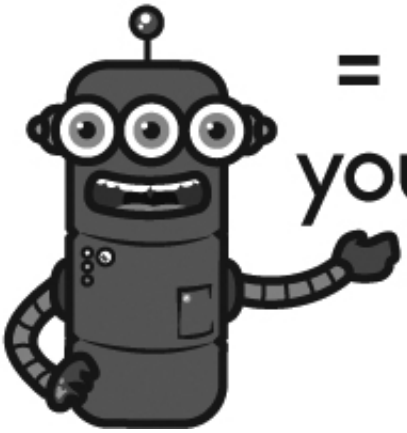
Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

| | | | | | |
|---|---|---|---|---|---|
| 89 − 3 | 78 − 1 | 23 − 1 | 18 + 7 | 57 + 7 | 77 + 8 |
| 37 − 1 | 45 + 2 | 51 − 5 | 58 + 6 | 71 + 2 | 26 − 4 |
| 13 + 1 | 61 + 2 | 39 + 7 | 82 − 7 | 78 − 3 | 73 − 9 |
| 10 + 6 | 22 − 8 | 72 + 8 | 58 − 5 | 42 + 3 | 27 − 6 |
| 53 − 2 | 22 + 4 | 87 + 6 | 19 − 9 | 28 − 5 | 63 + 3 |

**Name:** _____

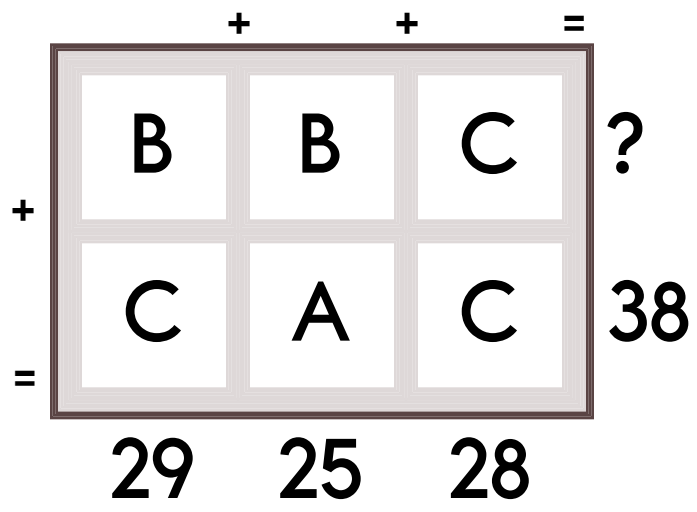
# Mental Math



= Do it in your head!

| | +1 | -1 | +10 | -10 | +2 | -2 | +100 |
|---|---|---|---|---|---|---|---|
| 20 | | | | | | | |
| 83 | | | | | | | |
| 39 | | | | | | | |
| 44 | | | | | | | |
| 66 | | | | | | | |
| 855 | | | | | | | |
| 377 | | | | | | | |
| 488 | | | | | | | |
| 662 | | | | | | | |
| 251 | | | | | | | |

**Name:** _____




## Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

B + C = 29 ___ + A = 25 ___ + ___ + ___ = 38

___ + ___ = 28

Additional hints:

B = C + 1 A < 15 B is the largest.

## Show Work:

## Solve:

? = ___

**Name:** _____

Complete each pattern. Write what the rule is.

| | | | | | |
|---|---|---|---|---|---|
| 5 | 10 | 20 | 40 | 80 | 160 |
| 7 | 28 | 112 | 448 | 1,792 | |
| 4 | 20 | | 500 | 2,500 | 12,500 |
| 1 | | | 27 | 81 | 243 |

What is the rule for each pattern?

74, 23, 68, 39, _____, _____, 56, 71, 50, 87, 44, 103, 38, 119

87, 47, 75, 58, _____, _____, 51, 80, 39, 91, 27, 102, 15

**Name:** _____

| | | |
|---|---|---|
| There was a picnic at the beach on Sandcastle Day. Everyone could have a hot dog, a hamburger, or a corn dog. Seven people chose corn dogs, nine chose hot dogs, and five chose hamburgers. What number is the mode? | Adam and his family are going to Japan next summer. They will leave sometime during the week of June 7-13. What is the chance they will leave on Monday? | Eric did not believe in bad luck. He broke 13 mirrors. He walked under 13 ladders. He stepped on 13 cracks in the sidewalk. He let 13 black cats walk in front of him. On his way home from school he found 13 dimes. How many more dimes does he need to have $2.70 worth of dimes? |

Read the topic. Try to make it better. The first one is done for you.

Topic: snow

1. downhill skiing _____

2. _____

Divide these words into syllables.

arithmetic _____ reward _____

melancholy _____ breath _____

temporary _____ continue _____

artificial _____ considerable _____

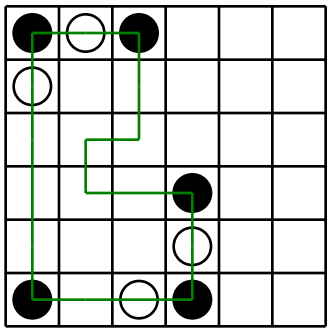
family _____ communicate _____

**Name:** _____

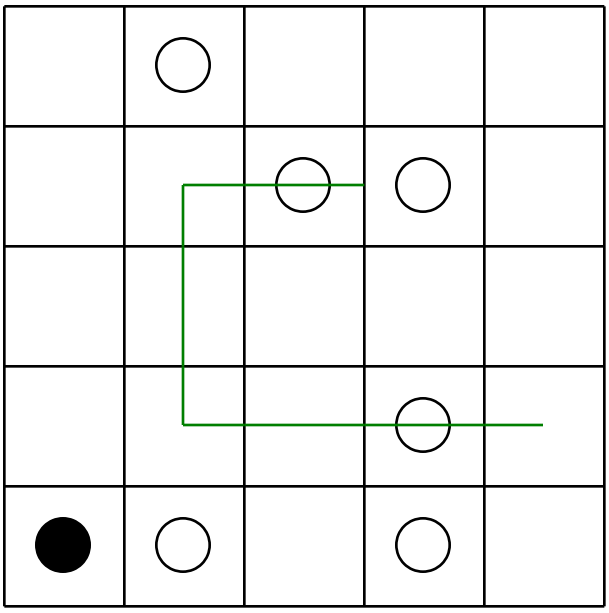
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Example:



Finish the line:



Make a pattern.
Start with 15.
Add 7.

_____ , _____ , _____ , _____ , _____ , _____

What are 10 equal to?

_____

Fill in the boxes so each line equals 16.

| 16 |
|---|
| ☐ x 4 |
| 80 ÷ ☐ |
| 19 - ☐ |
| ( ☐ + ☐ ) + 3 |

What is the value of the BIG digit?

5,066,**6**84

_____

Cross out all of the prepositional phrases in the sentence.

I love playing on your jungle gym!

Add the correct end punctuation for this sentence.

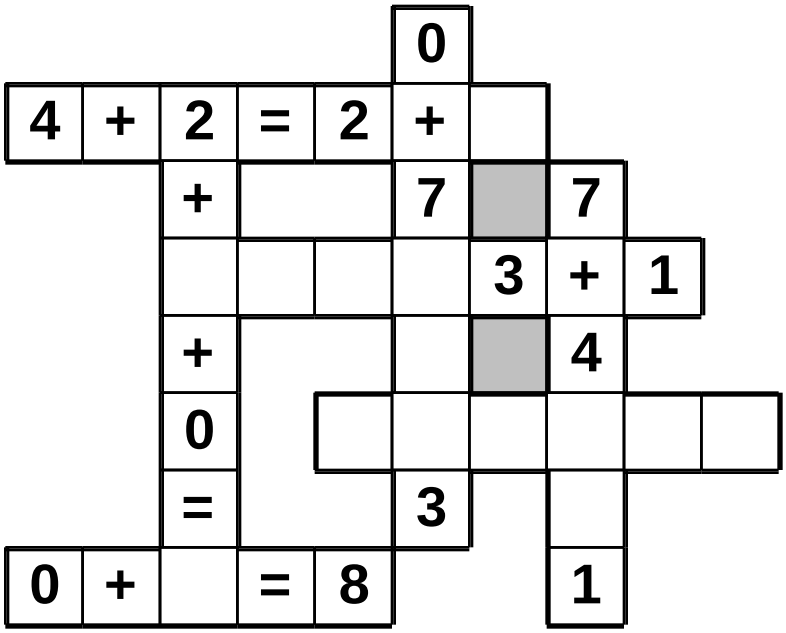
Please put the crayons away when you are finished coloring

word root **ize** can mean **to make or to act** **memorize, recognize, vocalize**

**Name:** _____

4 • 6 • - • 2 • = • 4 • 7 • + • 9 • = • 1 • 6 • 1 • 8

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




Which number is three hundred twenty-nine?

392 3,290 9,023

329

Write two odd numbers that when added together equal the even number 18.

_____

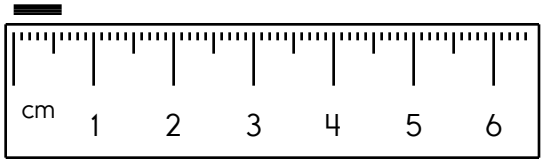
$$\begin{array}{r} 59 \\ 61 \\ +\ 39 \\ \hline \end{array}$$

Do you use A.M. or P.M. to write 7:00 in the morning?

_____

Write the length in centimeters.

_____




$$\begin{array}{r} 81 \\ -\ 23 \\ \hline \end{array}$$

**Name:** _____

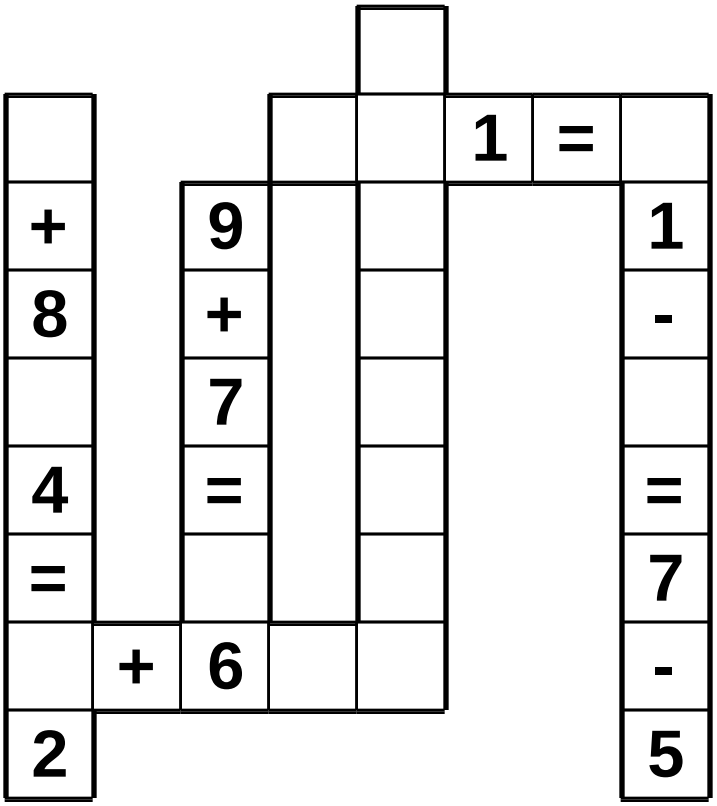
| | | | | |
|---|---|---|---|---|
| 424 + 851 | 518 + 440 | 798 - 454 | 679 - 372 | 706 - 531 |
| 304 + 300 | 949 - 635 | 813 + 674 | 1,600 - 952 | 441 + 208 |
| 124 + 143 | 1,126 - 335 | 328 - 209 | 236 + 355 | 912 - 323 |
| 952 + 699 | 230 + 737 | 971 - 568 | 323 + 487 | 267 - 125 |
| 354 + 621 | 289 + 825 | 964 - 562 | 983 - 460 | 619 + 586 |
| 558 - 380 | 699 + 818 | 986 + 146 | 1,527 - 894 | 1,448 - 799 |
| 247 + 714 | 471 - 236 | 898 - 702 | 887 - 787 | 594 + 935 |

| |
|---|
| 5 + 6 = ☐ |
| + 5 = ☐ |
| + 6 |
| 22 - ☐ |
| 19 + ☐ |
| 23 + ☐ |
| 32 + 5 = ☐ |
| - 5 |
| 32 - ☐ |
| 26 + ☐ |
| 28 + 5 = ☐ |

**Name:** _____

7 • 0 • 0 • + • 1 • 8 • = • + • 2 • 9 • 2 • 1 • - • 1 • = • 7

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




If twenty crayons are divided into ten equal rows, how many crayons are in each row?

_____

The factors of 6 are ___ 2 ___ 6

Add one hundred to 587.

_____

Calculate the product of 6 and 9.

_____

$$\begin{array}{r} 75 \\ -\ 42 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times\ \ 4 \\ \hline \end{array} \qquad \begin{array}{r} 11 \\ \times\ \ 6 \\ \hline \end{array}$$

Round the number to the place value of the BIG number.

3**6**1,687

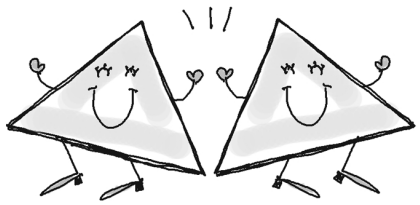
_____

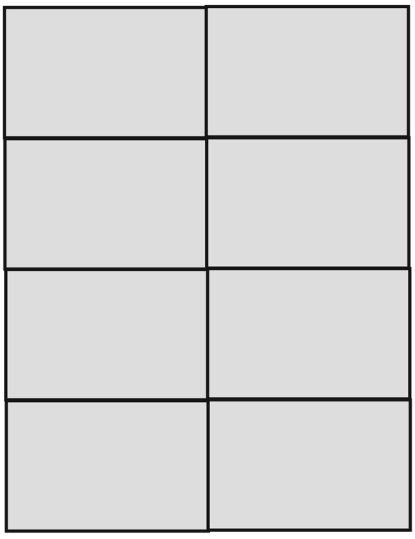
**Name:** _____

Try to draw...

two squares that have only five lines.

two triangles with the same shape and size that have only four lines.





How many ways could you cut this rectangle in half (following along the lines)? _____

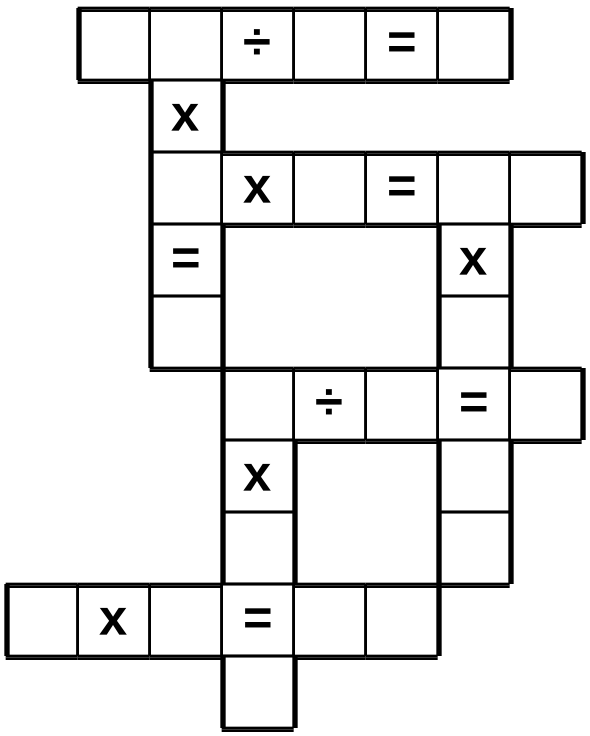
Draw them here.

©edHelper

**Name:** _____

3 • 0 • 6 • 5 • 7 • 5 • 3 • 5 • 0 • 9 • 2 • 2 • 1 • 2 • 3 • 7
2 • 9 • 1 • 8 • 6

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




13 + ___ + 20 = 45

Eric earns $16 an hour. He worked 5 hours. How much did he make?

Is 17 a composite or a prime number?

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

In the parking lot there are 12 vehicles. There are 4 SUVs. What fraction of the vehicles are not SUVs?

15 ÷ 5 =

Circle the relative adverb.
then, when, you, she

**Name:** _____

| | | | | |
|---|---|---|---|---|
| 367 + 310 | 264 + 311 | 862 + 518 | 899 + 912 | 462 + 673 |
| 5□0 + 90□ = □42 | 6□6 + □8□ = 167 | □49 + 32□ = 9□3 | □□5 + 96□ = 154 | 683 + □□□ = 132 |
| 822 + 731 | 411 + 921 | 372 + 624 | 142 + 951 | 443 + 786 |
| 56□ + 7□9 = □32 | 36□ + □□6 = 102 | □83 + 54□ = 1□□ | 737 + □2□ = 1□6 | □7□ + 8□5 = 1□6 |
| 646 + 231 | 400 + 705 | 220 + 137 | 572 + 333 | 487 + 302 |
| 396 + □70 = 7□□ | □5□ + 5□3 = 119 | □8□ + 3□5 = 70□ | 283 + □6□ = 4□3 | □19 + 98□ = 1□0 |

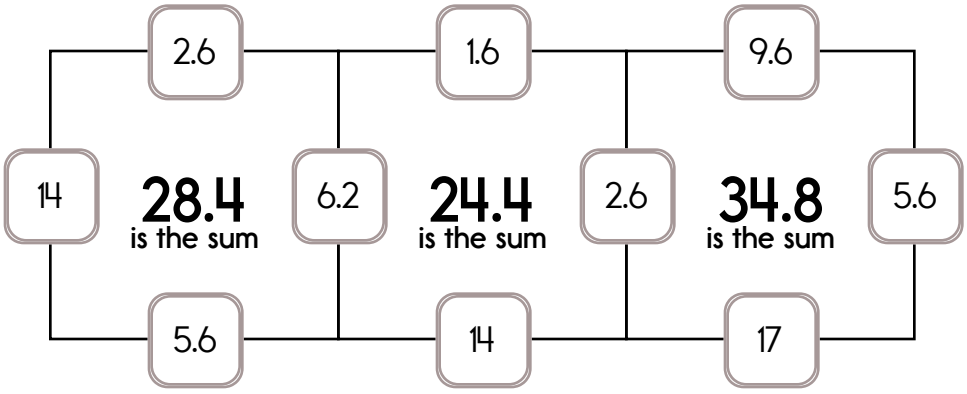
**Name:** _____

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

Example:
14 + 6.2 + 2.6 + 5.6 = 28.4

Example:
2.6 + 5.6 + 9.6 + 17 = 34.8

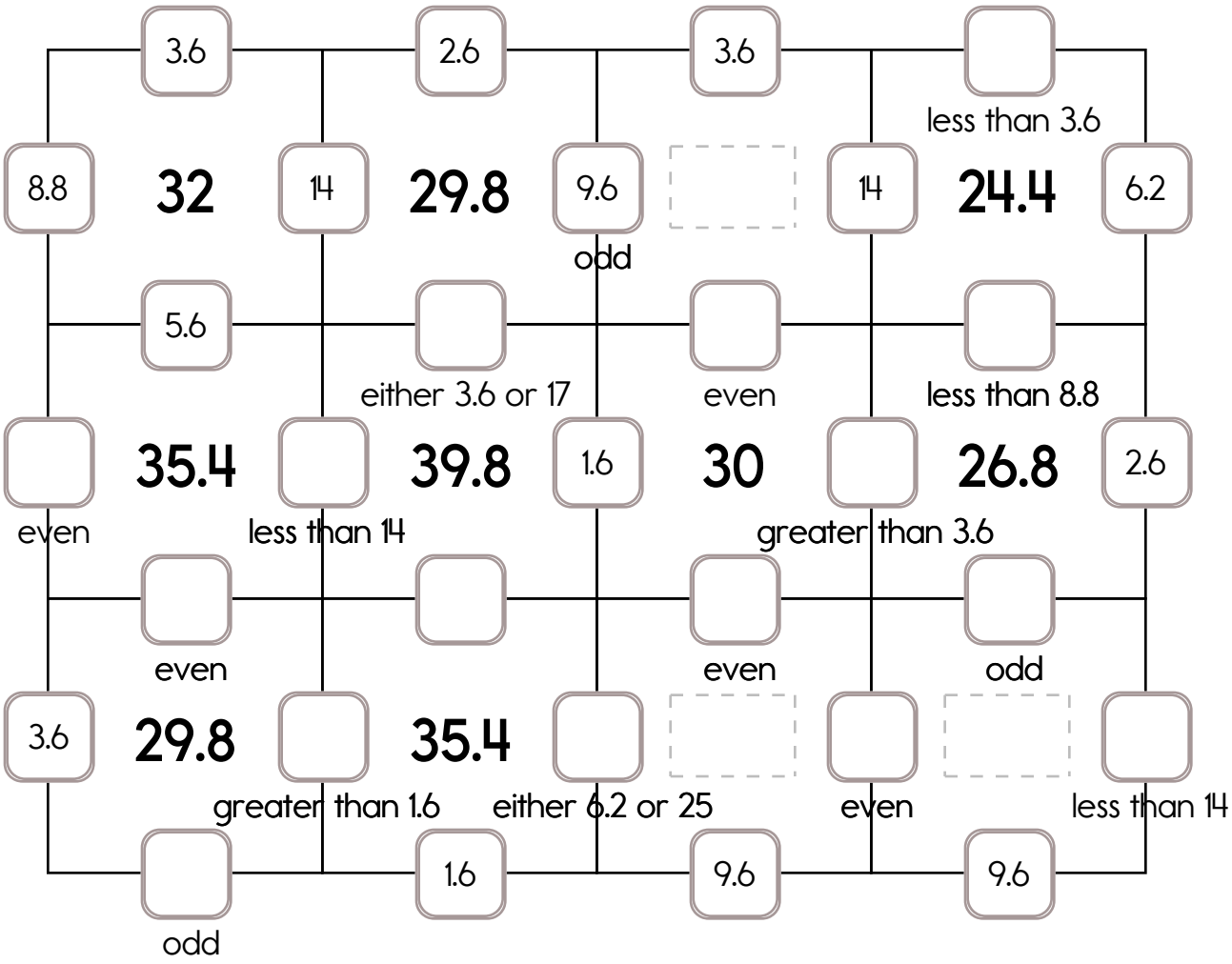
## Sample:




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: 17, 14, or 25.**

**The other three numbers have to all be DIFFERENT and must be from these: 1.6, 3.6, 8.8, 6.2, 5.6, 9.6, or 2.6.**

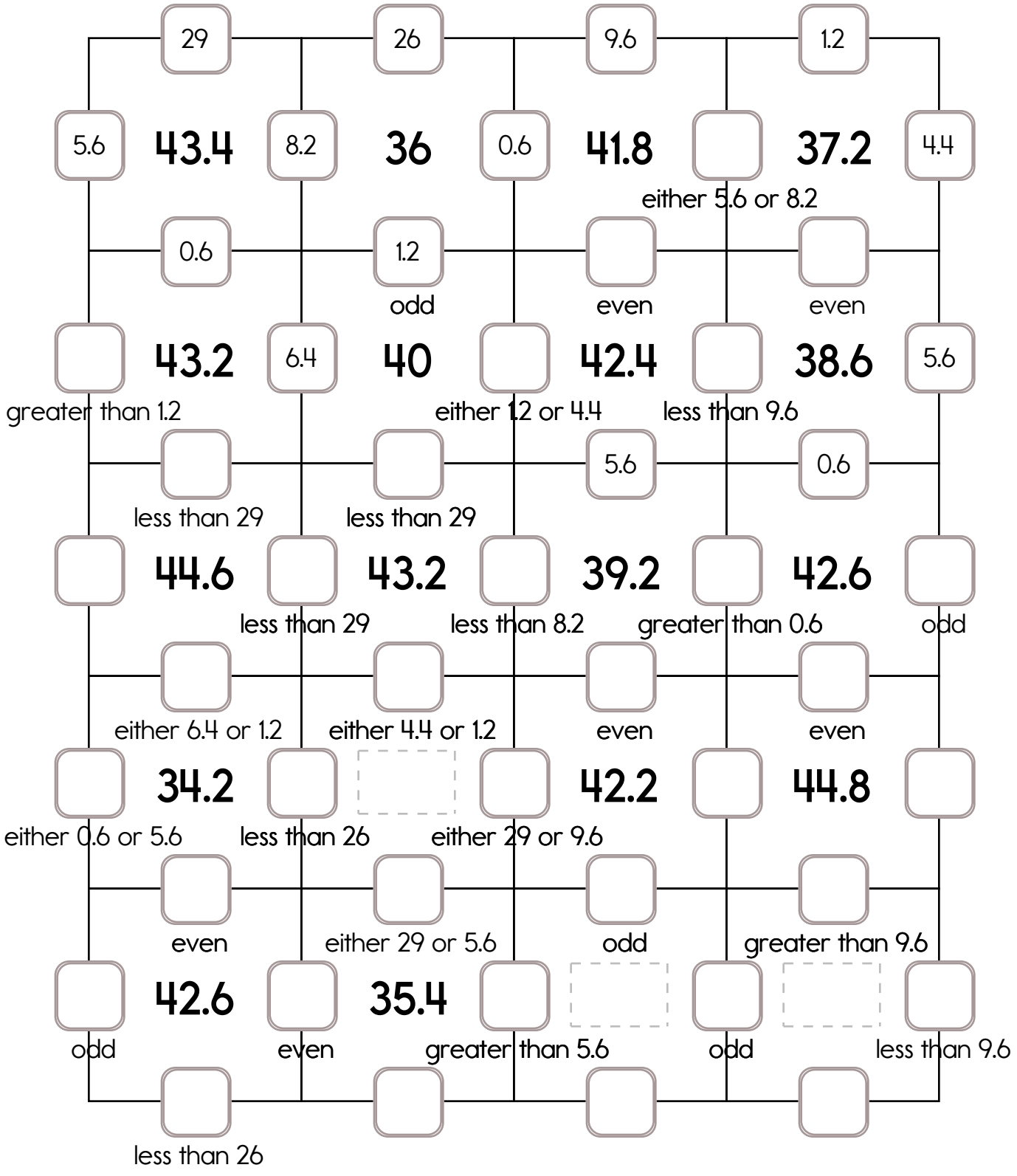


**Name:** _____

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: 28, 29, or 26.**

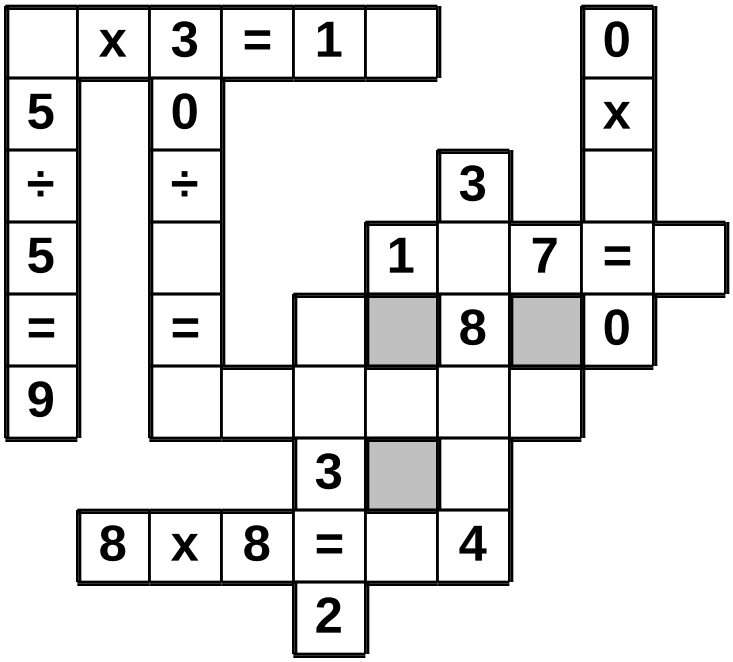
**The other three numbers have to all be DIFFERENT and must be from these: 5.6, 4.4, 6.4, 0.6, 9.6, 1.2, or 8.2.**



**Name:** _____

4 • 2 • 2 • 5 • x • 7 • 6 • 6 • 3 • ÷ • 7 • = • 9 • 2 • 6

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




Reduce $\frac{8}{10}$ to its lowest terms.

Reduce $\frac{48}{56}$ to its lowest terms.

Reduce $\frac{10}{20}$ to its lowest terms.

What is the sum of 8 and 69?

In the parking lot there are 13 vehicles. There are 2 SUVs. What fraction of the vehicles are not SUVs?

Is 37 a composite or a prime number?

**Name:** _____

The Catman takes care of cats without homes. Yesterday he had 16 cats. People brought more cats to him. Today he has 22 cats. How many cats did people bring to him?

Many books have been written about the Little League. One of the books is 3,271 pages long! What is the value of the 3 in that number?

The students at Reedville Elementary School made 3,945 origami flowers to put on the trays of people in nursing homes. What is the value of the digit 3 in that number?

9 - 9 + 2

How many hundreds are in the number 280,000?

At 2 p.m. today, Anne will not be able to use her electronics for 2 hours. At what time will she be able to resume using her phone?

Carol's Candies made a certain number of pecan clusters for Candy Month. The number of clusters is between 455 and 555. The tens digit is three more than the ones digit. The sum of the tens and ones digits is 9. How many pecan clusters were made?

April went to Nundayeli Camp last summer. She slept in a cabin that was 20 feet long and 34 feet wide. What was the area of the cabin?

The wildlife researcher estimated that there were approximately 123 small mammals in each acre of the forest. Approximately how many small mammals would be in a forest of 111.6 acres?

**Name:** _____

Wendy's favorite way to eat fresh tomatoes is to fry them while they are still green. She dips them in flour, cornmeal, salt, and pepper, and fries them in a little oil. She likes them so much she ate 16 slices for breakfast! If there are 68 calories in each fried green tomato slice, how many calories were in the 16 slices Wendy ate?

Abu rolled up his paper hat very tightly and put it in a bottle. He put a cork in the bottle and threw it into the ocean. Five days later the bottle washed up on a tiny island thirty miles away. If the bottle traveled the same distance each day, how many miles did the hat in the bottle travel each day?

Name the shape with three sides and three angles.

Write the least possible 4-digit number using only 3 different numbers.

Find the product of 8 and 3.

Miss Young bought 4 yards of ribbon to wrap packages for her nephews. She was taking the gifts to them for National Kids Day. About how many centimeters of ribbon did she buy? (1 yard = 0.9144 meters)

Rose's mother is a police detective. She investigates crimes involving counterfeiting. She makes $33,431 per year. How much does she make each month?

Mr. King packs baseballs into boxes, 12 baseballs per box. He packs the boxes into crates, 10 boxes per crate. When he finished the day Monday, he had 15 crates, 9 boxes, and 9 loose baseballs. How many baseballs did he have when he started?

**Name:** _____

Write the final part of each math analogy.

6,499 : 6,000 :: 2,204 : _____

Explain why you think your answer is correct.

21, 27, 33 : 39, 45 :: 51, 57, 63 : _____

Explain why you think your answer is correct.

two thirds of nine : 6 :: one third of six : _____

Explain why you think your answer is correct.

5 + 5 + 5 + 5 + 5 : 5 x 5 :: 11 + 11 + 11 : _____

Explain why you think your answer is correct.

fourteen : fourteenth :: ten : _____

Explain why you think your answer is correct.

one fourth of twelve : 3 :: one third of twelve : _____

Explain why you think your answer is correct.

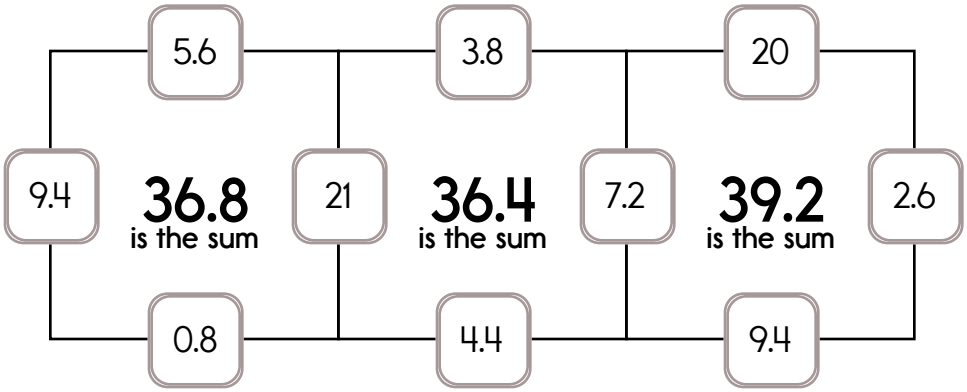
**Name:** _____

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

Example:
9.4 + 21 + 5.6 + 0.8 = 36.8

Example:
7.2 + 2.6 + 20 + 9.4 = 39.2

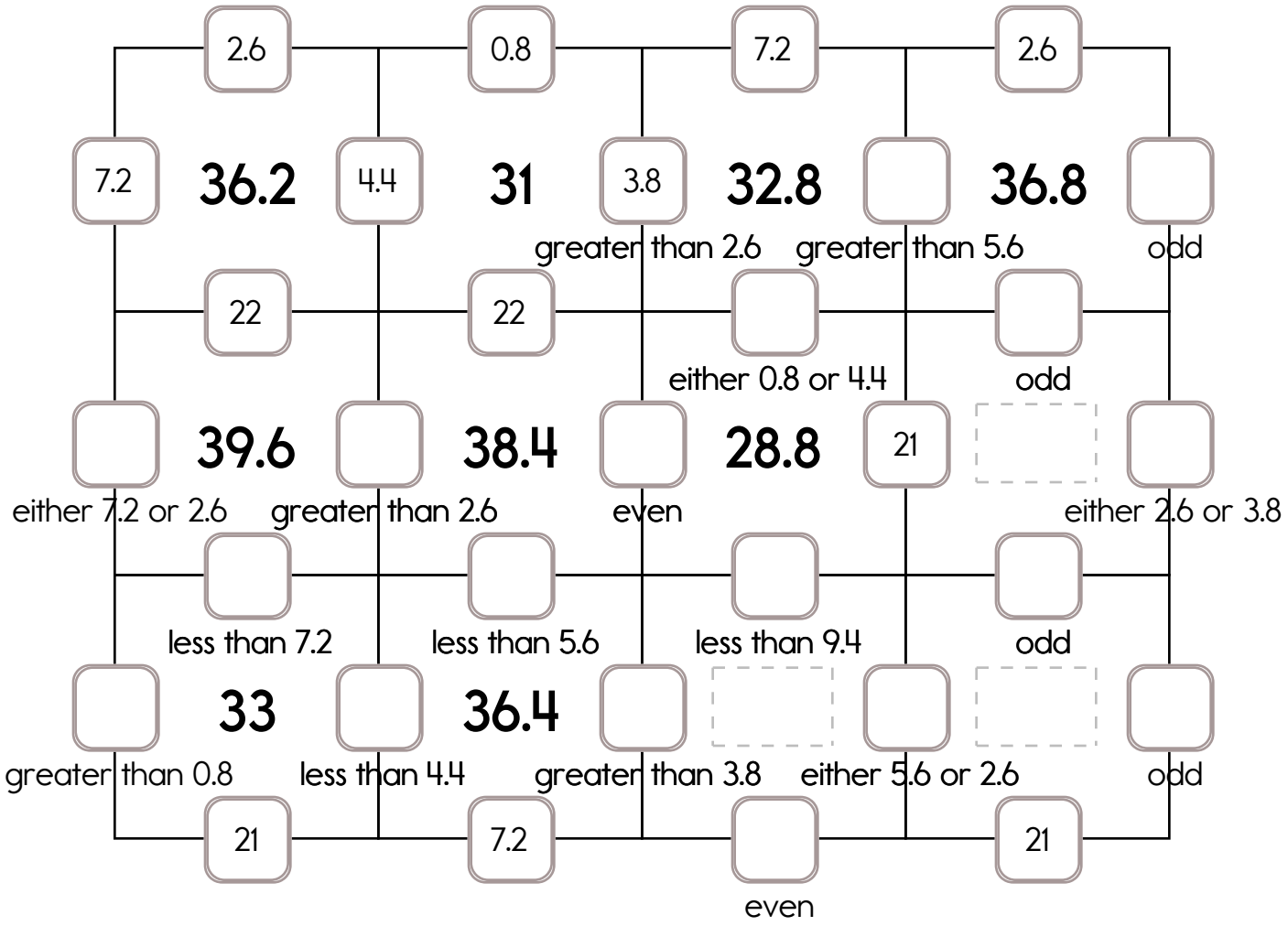
## Sample:




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: 22, 20, or 21.**

**The other three numbers have to all be DIFFERENT and must be from these: 3.8, 5.6, 7.2, 2.6, 9.4, 0.8, or 4.4.**

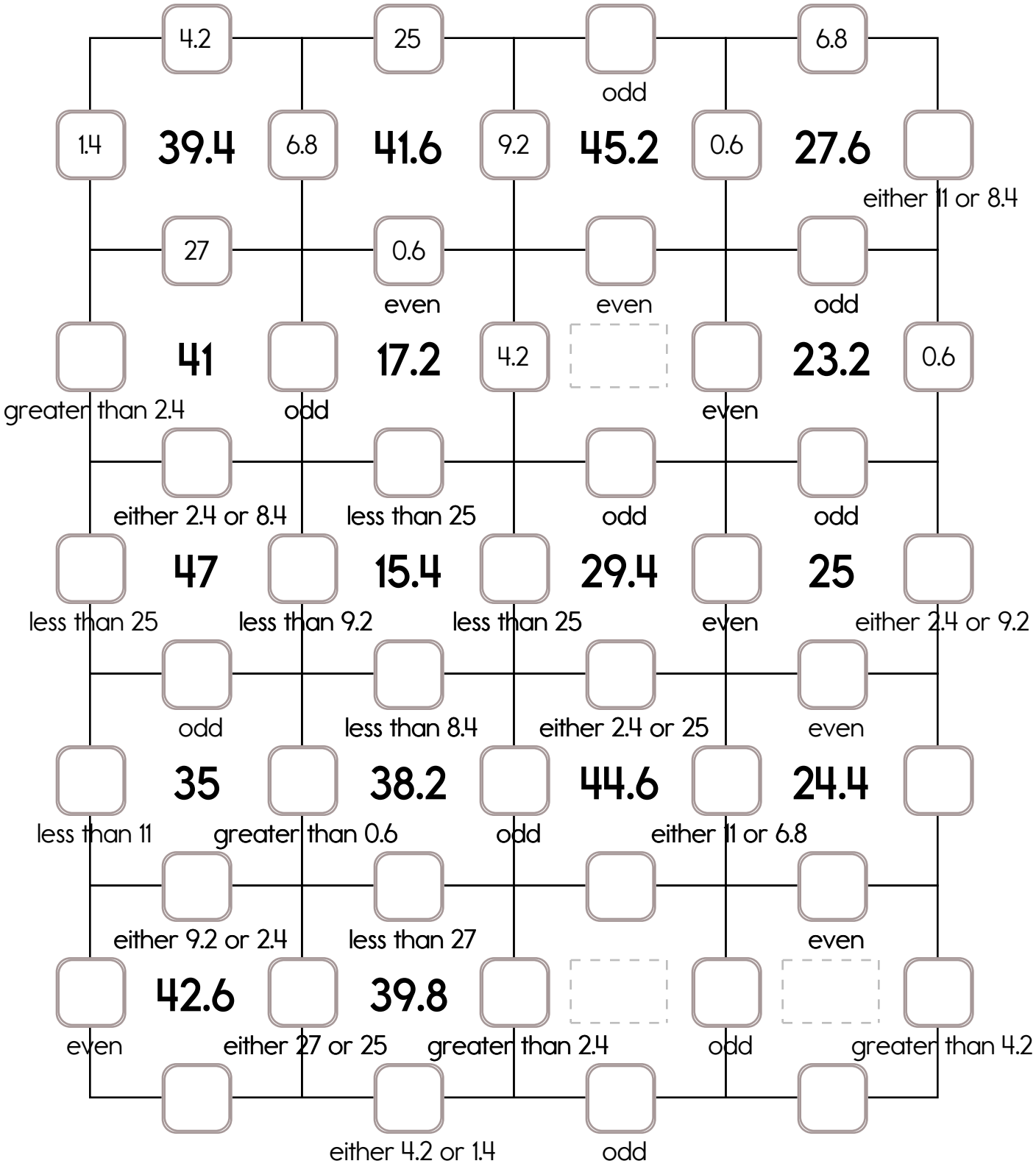


**Name:** _____

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: 11, 27, or 25.**

**The other three numbers have to all be DIFFERENT and must be from these: 8.4, 9.2, 1.4, 2.4, 4.2, 0.6, or 6.8.**



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CLASS RULES
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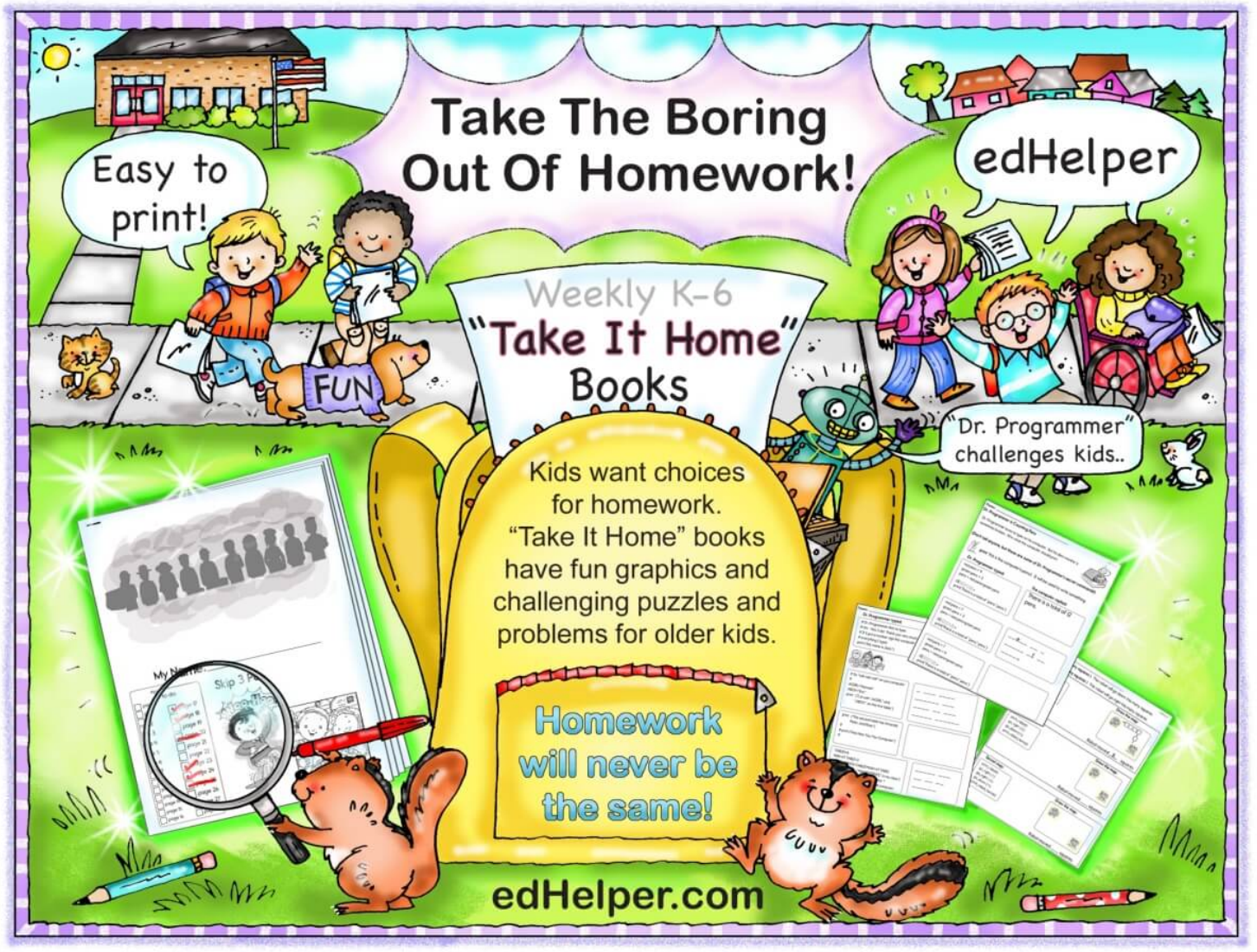
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