

Name: _____

Ms. Johnson is planning a trip to the Museum of History on the date of Thailand's New Year. A total of 109 students are going on the trip. Each bus will hold 36 students. How many buses will be needed?

In 2000, General Motors produced 1,988,851 passenger cars, not including trucks and SUVs. In 1994, GM produced 2,719,764 cars. To the nearest thousand, how many more cars did GM produce in 1994 than in 2000?

David spent his weekend looking for treasure in the park. He found 3 quarters, 14 dimes, 15 nickels, 19 pennies, and an old toy car. How much money did David find?

Round 18,709 to the nearest thousand.

$$5\frac{8}{9} + 4\frac{8}{9}$$

It was 6 degrees below zero in the morning. By afternoon the temperature rose 27 degrees. How warm was it?

Jason has 41.4 meters of rope that he would like to divide into 4 equal pieces. He will put them around his model of Amelia's first airplane. How long will each piece of rope be?

An image taken on February 21, 1994, by the Hubble Space Telescope shows Pluto and its moon, Charon. At the time, the planet was 4.4 billion kilometers (2.7 billion miles) from the Earth. Find a rational number between 4.4 billion and 4.3 billion.

Mr. Hernandez keeps his ties in an irregular six-sided box. The perimeter of the box is 130 cm. He knows that five of the sides are 16 cm each. What is the length of the remaining side?

Name: _____

Anne loved lime-flavored soda, but it was hard to find the soda at the store. One time she couldn't find any of it for over a week. When she finally found two 1.5-liter bottles at Mark's Market, she bought all two and drank them in less than a day! How many pints of lime-flavored soda did she drink?

After the December 2004 tsunami, the Canadian Red Cross sent 45,000 family hygiene kits to Sri Lanka and 55,500 baby supplies kits to Indonesia. The family hygiene kits cost \$65 each, and the baby supplies cost \$42 each. What is the total cost for these kits?

A rectangle is 26 cm on one side and 7 cm on another side. What is the perimeter?

How much time is it from 6:00 a.m. to 11:40 a.m.?

Pick the family fact that is missing.

$$15 \times 5 = 75$$

$$75 \div 15 = 5$$

$$75 \div 5 = 15$$

Mr. Lee 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 14 crates, 9 boxes, and 10 loose baseballs. How many baseballs did he have when he started?

The ratio of Coke syrup to carbonated water is 1:5. How much carbonated water would be used to dilute 31.4 gallons of Coke syrup?

Sandy's Sweet Shoppe sold 31 chocolate ice cream cones on Sunday. That amount is $\frac{3}{4}$ of the total number of cones sold. How many cones were sold in all?

Estimate quickly the difference.
 $4,770 - 1,960$

$$35 + n = 49$$

What is the value of n ?

What is 50% of 384?



Name: _____

Get a fidget spinner! Spin it.

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

What number is halfway between 15 and 23?

7, 9, 11, 13, _____, 17,
19, 21, 23

You need to add what to 68 to get 77?

triple 40 =

Which number has exactly 5 thousands?

What is the sum of 10 and 761?

Circle the four numbers whose sum equals 63.

15	16	20	14
17	20	10	10
15	20	4	11

Hannah bought a stuffed animal at the school store. She paid with a \$5 bill. She was given back 5 dimes and 2 quarters for change. How much was the stuffed animal?

90, 100, _____, 120,
130, 140, 150

The radius of a circle is 564 cm. What is the diameter of this circle?

$(7 + 11) \times 11$

Round the decimal 0.745 to the nearest hundredth.



Name: _____

Spin again.

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

Which number has exactly 6 thousands?

How much greater is 180 than 31?

How many total legs are on 10 tigers?

$$9 \times \underline{\quad} = 63 = \underline{\quad} \times 21$$

$$6 \times \underline{\quad} = 48 = \underline{\quad} \times 3$$

$$10 \times \underline{\quad} = 30 = \underline{\quad} \times 2$$

$$6 \times \underline{\quad} = 72 = \underline{\quad} \times 18$$

How many total legs are on 5 dogs and 4 owls?

Is 21 a composite or a prime number?

$$\cancel{5} \times \underline{\quad} + \cancel{9} \times 24 = \underline{\quad} \times 12$$

How much money is 1 quarter, 3 dimes, 1 nickel, and 1 penny?

How many centimeters in 1.6 meters?

The perimeter of a rectangle is 18 cm. The longer side is 5 cm. How long is the shorter side?

It was 8 degrees above zero in the morning. By afternoon the temperature rose 25 degrees. How warm was it?

Write $\frac{10}{25}$ in lowest terms.

Name: _____

Robert only had $1\frac{3}{4}$ hours to do his homework, walk to the library and check out a book, and talk to his friend on the phone. Robert used $\frac{1}{4}$ of the time talking to his friend. How much time did he have left to do his homework and check out a book?	Mr. Clark likes to buy vegetables and fruit from roadside stands. Yesterday he bought 3.3 pounds of apples at \$1.19 per pound, 1.3 pounds of grapes at \$1.59 per pound, and 6.4 pounds of red potatoes at \$0.87 per pound. He paid for his purchases with a \$50-bill. How much change did he get?	Eric is in charge of laying out the sports pages for the school yearbook. He can use small, medium, or large pictures and place them horizontally or vertically. Draw a tree diagram to illustrate the number of choices he has.
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$(4 + 7) + 4 =$	Rewrite these in increasing order of length: 372 dm, 9 cm, 794 km, 918 mm, 83 m
$10 \times 8 =$ _____	

$\begin{array}{r} 259 \\ + 475 \\ \hline \end{array}$	$978 + 573 =$ _____	What time is 13 hours after 5:00 a.m.? _____
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Mary rolls a die. What is the chance of her rolling a 6? _____	What number is halfway between 6 and 23?	$60 \div 10 =$ _____ $121 \div 11 =$ _____
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Name: _____

Sudoku Sums of 9

Each row, column, and box must have the numbers 1 through 6.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 9.

Here is an example of a sudoku sum of 9:

6	3
---	---

	5	1			6
2					
	2				
				3	5
			5	6	
			1		3

$$\begin{array}{r} 23 \\ + 37 \\ \hline \end{array}$$

$$9,757 - 6,364 = \underline{\hspace{2cm}}$$

$$5,646 + 9,413 = \underline{\hspace{2cm}}$$

Which is the better buy?
Nine bags of candy for \$54
or two bags of candy for \$16?

$$\begin{array}{r} 46 \\ - 12 \\ \hline \end{array}$$

How many feet are in 108 inches?

_____ feet

Circle the addition property
for $24 + 101 = 101 + 24$.

associative property
commutative property

Name: _____

$\begin{array}{r} 882 \\ - 649 \\ \hline \end{array}$	$12 \times 8 = \underline{\hspace{2cm}}$	<p>34% of 100 is 34. 34% of 200 is 68. 34% of 500 is 170.</p> <p>What is 34% of 800?</p>	$12 \times 10 = \underline{\hspace{2cm}}$
---	--	--	---

<p>Circle the greatest number:</p> <p>81,947,503 2,687 640,239,513 857,094</p>	$575 - 193 = \underline{\hspace{2cm}}$
--	--

<p>For 4,253,400,616,837, write the digit that is in the ten thousands place.</p> <p>_____</p>	$22 \text{ km} = \underline{\hspace{2cm}} \text{ m}$	$10 \div 5 = \underline{\hspace{2cm}}$
--	--	--

<p>1 lb = 16 oz</p> <p>16 lb = _____ oz</p>	<p>Sarah and her little sister, Maria, both have birthdays on the same day. Sarah is seven years old. Maria is five years old. Did you know that Sarah was once double the age of Maria? How many years ago was that?</p>
$12 \times 6 = \underline{\hspace{2cm}}$	

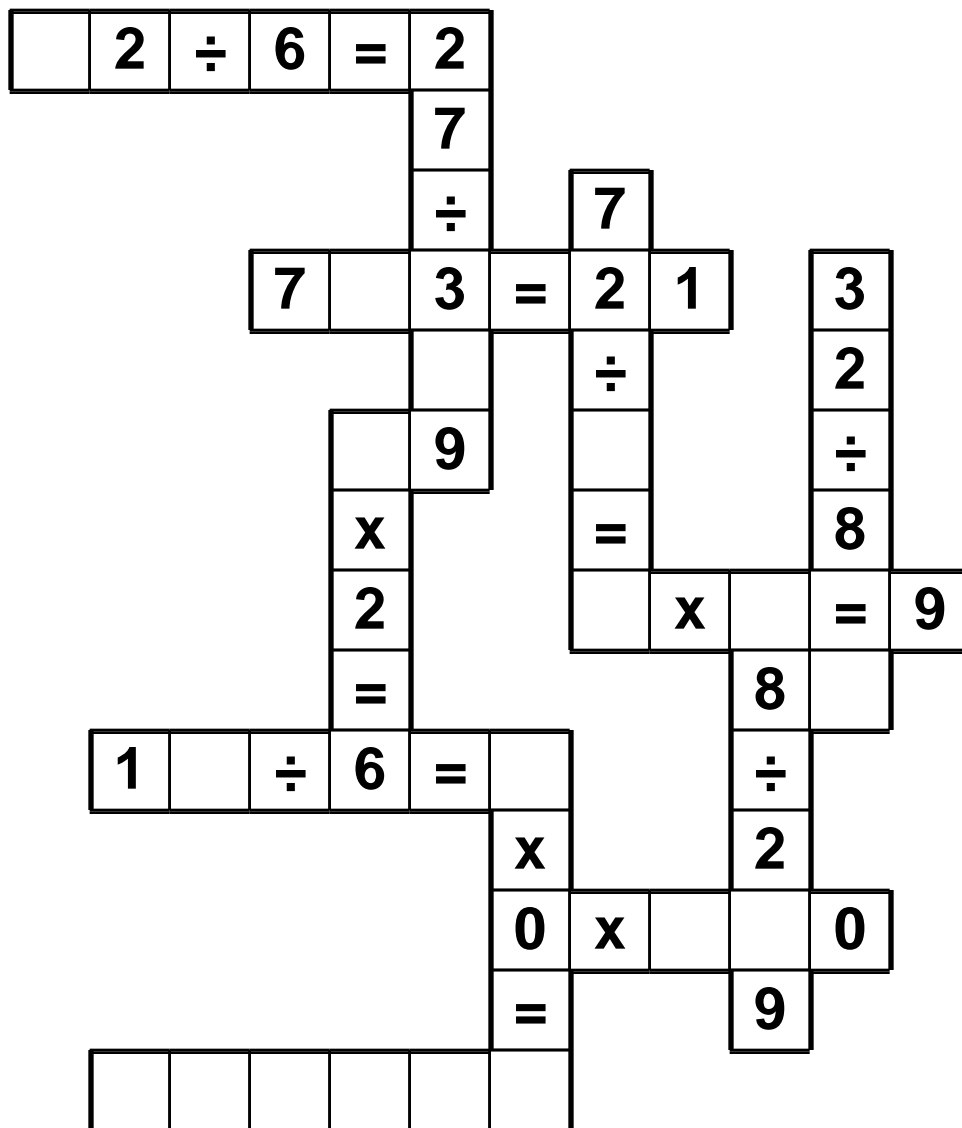
$81,854 - 22,578 = \underline{\hspace{2cm}}$	<p>In the number 3,610,813,892, the digit 0 is in what place?</p> <p>_____</p>
--	--

$6 \times 11 = \underline{\hspace{2cm}}$	<p>Fill in the missing operations to complete this equation:</p> <p>$20 \text{ } \underline{\hspace{1cm}} \text{ } 6 \text{ } \underline{\hspace{1cm}} \text{ } 11 = 25$</p>	$24 \div 4 = \underline{\hspace{2cm}}$
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Name: _____

1 • x • = • 3 • 8 • 9 • 1 • 4 • 8 • 3 • 0 • = • 6 • x • 5 • =
3 • 0

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



Circle the digit in the tenths place.

87.27

5,937 - 1,528 = _____

8,265 - 6,851 = _____

11 x 3 = _____

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According to a recent survey, 40 out of 105 people say they have donated time or money to a humanitarian group this year. What percent of people do not say that have donated time or money in this way? Round your answer to the nearest tenth of a percent.

The Planning Committee decided to have a picture of Paul Revere tiled into a circle in the floor of the library. The circle has a diameter of 45 inches. How many $\frac{1}{2}$ -inch square tiles will be needed to cover the circle? (Note: Round off to the nearest whole tile.)

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted sends an average of 46 texts in only 3 minutes. At precisely 3:26 Ted finally sat down outside of school to play his phone. He played his phone until 3:49 when his phone ran out of power. How many texts do you think Texty Ted sent?

$$6 \overline{) 49.8}$$

$$7 \overline{) 59.5}$$

$$4 \overline{) 1.2}$$

Name: _____

Can you figure out the value of the letter?

$$8g + 6 = 30$$

first subtract 6 from both sides

then divide each side by 8

$$8g + 6 - 6 = 30 - 6$$

$$8g = 24$$

$$8g \div 8 = 24 \div 8$$

$$g = 3$$

$$\text{Double check: } (8 \times 3) + 6 = 30$$

$$8d - 15 = 25$$

first add 15 to both sides

then divide each side by 8

$$d = \underline{\hspace{2cm}}$$

$$\text{Double check: } (8 \times \underline{\hspace{2cm}}) - 15 = 25$$

$$6b + 4 = 16$$

first subtract 4 from both sides

then divide each side by 6

$$b = \underline{\hspace{2cm}}$$

$$\text{Double check: } (6 \times \underline{\hspace{2cm}}) + 4 = 16$$

$$7k - 23 = 26$$

first add 23 to both sides

then divide each side by 7

$$k = \underline{\hspace{2cm}}$$

$$\text{Double check: } (7 \times \underline{\hspace{2cm}}) - 23 = 26$$

$$4h + 3 = 35$$

first subtract 3 from both sides

then divide each side by 4

$$h = \underline{\hspace{2cm}}$$

$$\text{Double check: } (4 \times \underline{\hspace{2cm}}) + 3 = 35$$

$$8a - 13 = 51$$

first add 13 to both sides

then divide each side by 8

$$a = \underline{\hspace{2cm}}$$

$$\text{Double check: } (8 \times \underline{\hspace{2cm}}) - 13 = 51$$

Name: _____

Sketch 2 lines \overleftrightarrow{HI} and \overleftrightarrow{WX} that are intersecting.



What kind of angle is this?

Write as a decimal.

$$\frac{4}{10}$$

Write as a decimal.

$$3\frac{3}{100}$$

Write as a decimal.

$$13\frac{34}{1000}$$

$$\begin{array}{r} 49 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 845 \\ \hline \end{array}$$

$$9 + 9 =$$

$$17 - \frac{1}{2} - \frac{1}{2} =$$

Reduce $\frac{36}{48}$ to its lowest terms.

$$6 - \frac{2}{3} + \frac{4}{5} =$$

$$0.48 + 9.5 =$$

$$0.12 + 8.6 + 0.1 =$$

$$14.8 - 1.26 =$$

Name: _____

What does the _____ stand for in the following equation?

$$\text{_____} - 3 = 7$$

- A) 10
- B) 2
- C) 20
- D) 50

600 x 3,000 is equivalent to which answer?

- A) 60 x 30
- B) 6,000 x 300,000
- C) 60 x 30,000
- D) 60,000 x 30,000

What number is two thousand less than 574,756?

- A) 574556
- B) 554756
- C) 374756
- D) 572756

Which of the following numerals has a 4 in the hundreds place?

- A) 1423
- B) 4123
- C) 4312
- D) 3124

What number should be filled in for the _____ to complete this number sentence?

$$(15 \times 6) - 8 = (3 \times 12 + 9) + \text{_____}$$

- A) 103
- B) 15
- C) 37
- D) penny

Which of these is a prime number?

- A) 44
- B) 31
- C) 24
- D) 56

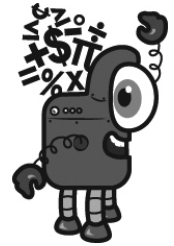
Name: _____

Mental Math

— #1 —

☺ Start with the number 449.

449



☺ Increase that number by 8.

6 1 4 5 7 5 7 7 2 5 (Circle your answer to double check you are correct.) _____

☺ Add half of 58.

7 4 8 6 4 4 8 2 5 8 _____

☺ Round to the nearest ten.

5 5 3 7 8 4 9 0 7 6 _____

☺ Add the number of cups in 3 quarts.

8 6 6 3 5 0 2 1 3 1 _____

☺ Round to the nearest ten.

5 0 0 8 8 9 7 6 6 8 _____

Mental Math

— #2 —

☼ Start with the number 845.

7 0 8 8 4 5 2 3 3 2 (Circle your answer to double check you are correct.) _____

☼ Add the number of quarters in a dollar.

2 2 4 2 8 4 8 4 9 3 _____

☼ Round to the nearest hundred.

4 8 3 1 8 0 0 5 6 2 _____

☼ Add half of 48.

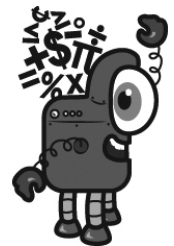
7 8 2 4 5 0 6 0 1 2 _____

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

1 4 6 5 4 9 9 7 7 5 _____

☼ Add the number of ounces in 1 pound.

1 2 3 0 6 8 5 6 9 4 _____



Name: _____

The radius of a circle is 306 cm. What is the diameter of this circle?

$$12 \div \frac{1}{4}$$

$$(11 - 3) + 3 \times 5$$

Round the decimal 0.475 to the nearest hundredth.

$$72 \div 12 - 2$$

How many centimeters in 630.7 meters?

$\frac{1}{125}$, $\frac{1}{25}$, $\frac{1}{5}$, (1),
_____, (25), (125),
(625)

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{6}{12}$ would go. Is $\frac{6}{12}$ closer to 0, $\frac{1}{2}$, or 1?

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?

Simplify.

$$\frac{25,800}{30,100} =$$

Use >, <, or = to complete.

$$\frac{1}{2} \text{ — } 39\%$$

$$\frac{3}{10} \text{ — } 30\%$$

$$81\% \text{ — } \frac{3}{10}$$

Rewrite $\frac{51}{100}$ as a decimal.

$$15y - 28.8 = 76.2$$

$$y =$$

$$8.1709 \times 10^2 =$$

$$0.9 (0.3 (0.9 + 9)) =$$

Name: _____

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Max has \$82.67. He has 10 bills and 6 coins. How?

		\$10		
		25¢		

Jacob has \$11.17. He has 2 bills and 19 coins. How?

Sara has \$52.55. She has 6 bills and 5 coins. How?

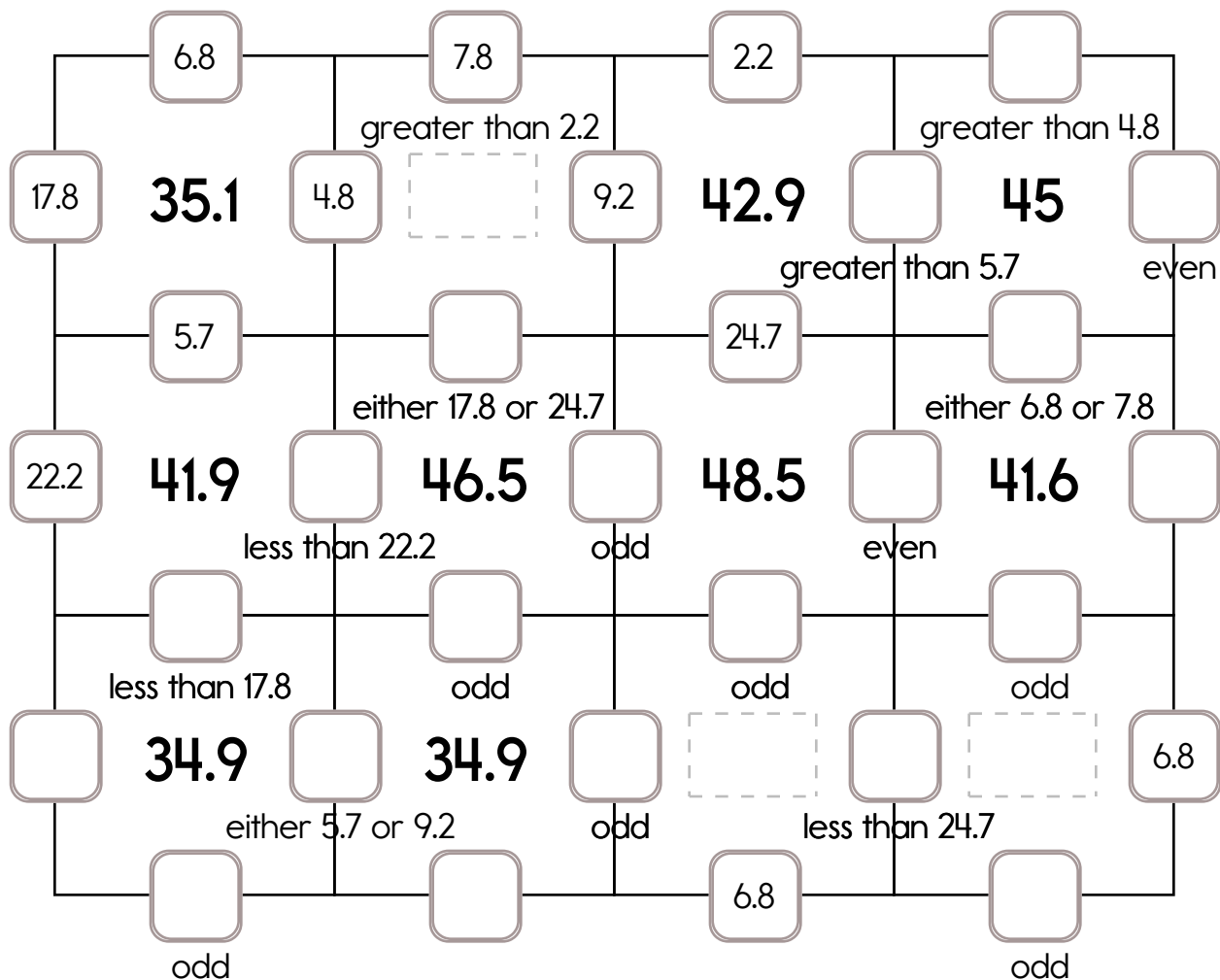
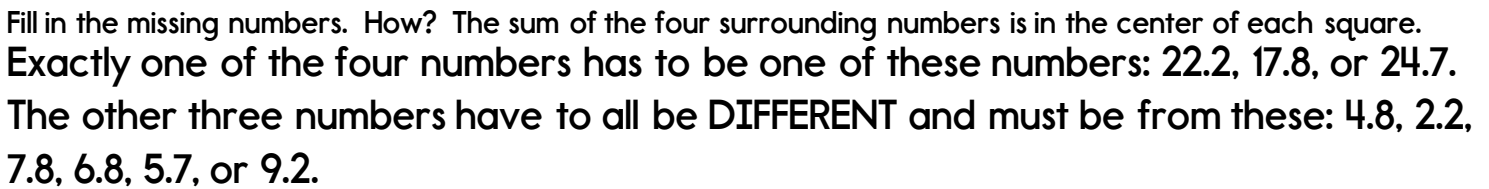
Write the numbers 55 to 85
on a sheet of paper.
How many of these numbers
are divisible by 6?

$$964 - 829 = \underline{\hspace{2cm}}$$

Example:

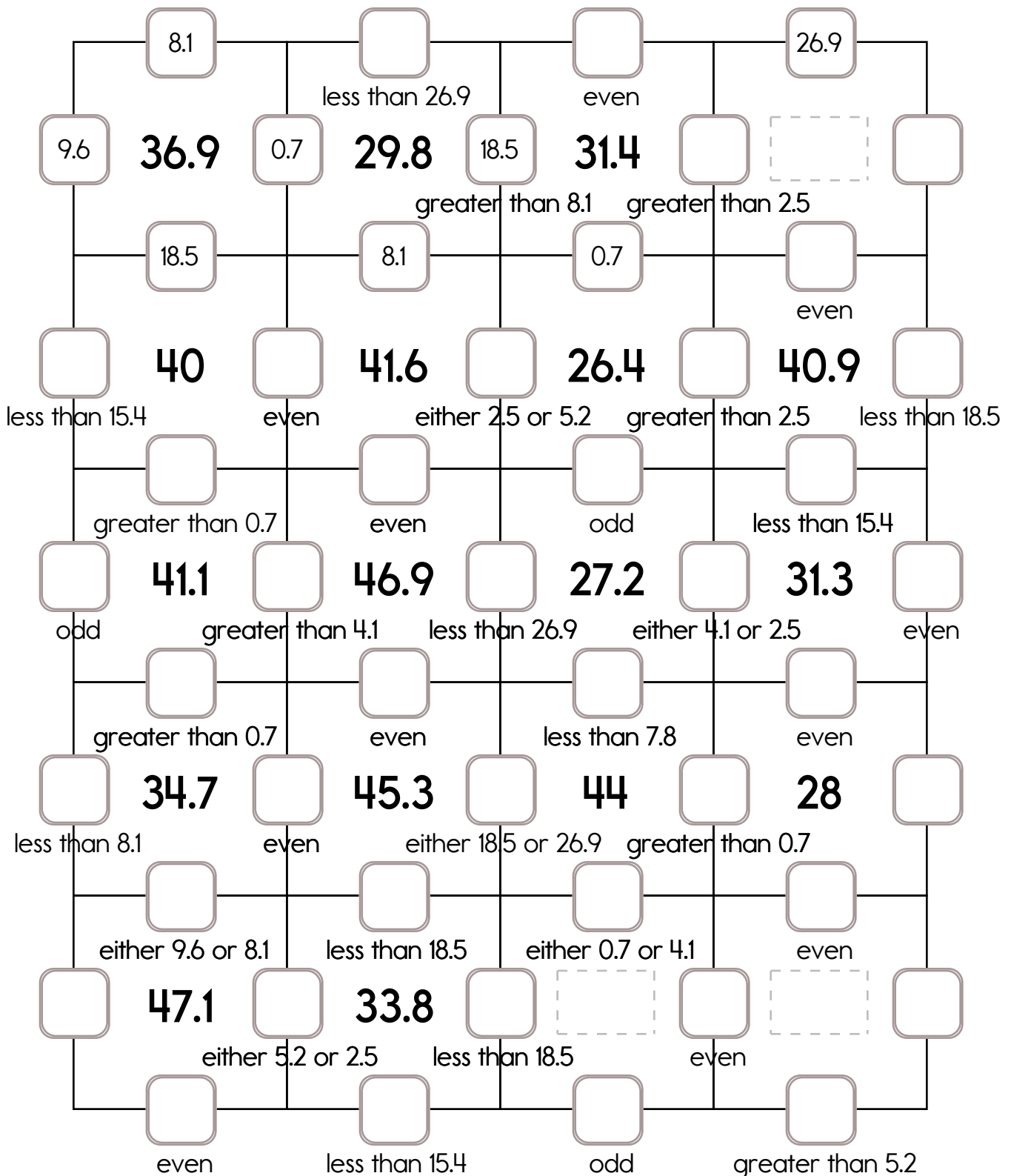
Example:

Sample:



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: 26.9, 15.4, or 18.5.
The other three numbers have to all be DIFFERENT and must be from these: 0.7, 9.6, 4.1, 8.1, 5.2, 7.8, or 2.5.





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