Name: _____

Five more than a number is forty. What is the number?

A number minus 44 is fifteen. What is the number?

Forty-three more than 2 times a number is 59. What is the number?

If a number is increased by 99, the result is 147. What is the number?

Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

Mental Math = Do it in your head!

imagine 2 in your head	imagine 9 in your head	imagine 3 in your head	imagine 4 in your head
multiply 9	multiply 7	add 1	add 1
subtract 6	add 7	add 5	add 2
	double it	add 6	subtract 2
	subtract 6		add 3
			subtract 5
	Add the tens digit to the ones digit.		
Write the ones digit.	Write the sum.	Write the ones digit.	Write the number.
____	____	____	____
A	B	C	D

What is the sum?

A + B + C + D

____ ____

Wow! Great job! That's the answer, but do you know how to SPELL the number?

____ ____ v ____ ____ ____ e ____ e ____

9 before 15 _____	9 after 18 _____	7 after 12 _____
4 before 18 _____	1 after 11 _____	4 after 13 _____
7 before 19 _____	6 after 14 _____	3 after 19 _____

Name: _____

It was such pandemonium! There were books stacked everywhere in the new bookstore. Adam finally found the book he wanted at the bottom of the stack. He gave the clerk a 20-dollar bill. If the price of the book was $16.89, how much change did he get?

Maria took a picture of her father's office building. He worked in a 50-story skyscraper. When she got the picture, she saw that she had only taken a picture of the highest 28 stories. Write a fraction for the part of the building that was in the picture.

What is $\frac{2}{3}$ of 36? Show your work.

This number is so cool. The tens place is twice its tenths. The hundredths place is 5 less than its ones. The sum of its digits is 13. What's the cool number?

___ ___ . ___ ___

Name: _____

$2\overline{)13}$ $88\overline{)976}$ $4\overline{)160}$ $50\overline{)1250}$

$8\overline{)384}$ $32\overline{)1600}$ $44\overline{)1232}$ $30\overline{)815}$

$2\overline{)52}$ $60\overline{)540}$ $40\overline{)1080}$ $42\overline{)640}$

What kind of angle is this?

Sketch 2 lines $\overleftrightarrow{FG}$ and $\overleftrightarrow{WX}$ that are perpendicular.

Write the number that has exactly 8 ten thousands.

Write the number that is one thousand less than 4,771.

Kevin earns $25 an hour. He worked 6 hours. How much did he make?

Name: _____

Mr. White ran in the Clock Day race. He started running at 10:30 a.m. He crossed the finish line at 2:14 p.m. For how long did he run?

Mr. Anderson bought $2\frac{1}{4}$ pounds of ham to make sandwiches for Police Week lunch in the park. The ham cost $3.30. What was the cost of the ham per pound? (Round your answer off to the nearest cent.)

Sarah wants to give each guest at her birthday party three mini-cans of Play-Doh. The cans are sold in bags of ten for $2.56. If there are thirty guests at her party, how much will it cost to give three mini-cans of Play-Doh to each guest?

Circle the greatest number:
318,602,954,796
26,475,380
510,384,279
2,084,617,359

Anna multiplied two one-digit numbers and then added 127. The result was 289. Megan does not believe her and thinks Anna made a mistake. Who is correct?

$$\begin{array}{r} 37 \\ -\ 14 \\ \hline \end{array}$$

29 kg = _____ g

12 x 6 =

How many digits are in 1,000 times 100?

_____

$$\begin{array}{r} 457 \\ -\ 124 \\ \hline \end{array}$$

$$\begin{array}{r} 260 \\ +\ 288 \\ \hline \end{array}$$

24 ÷ 8 =

Insert a comma in the appropriate place in this sentence.
I was a little afraid of the deep end of the pool but I conquered my fear and swam in it anyway.

1 lb = 16 oz

8 lb = _____ oz

Name: _____

Sudoku Sums of 10

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 10.

Here is an example of a sudoku sum of 10:

1	9

$$\begin{array}{r} 29 \\ + \ 43 \\ \hline \end{array}$$

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

For 26,537,367,210, write the
digit that is in the ten
thousands place.

_____

April wants to call Holly. Holly
is on vacation in Asia. It is a
time difference of ten hours.
Holly's time is always later
than April's time. If it is 10:18
P.M. where April lives, then
what time is it where Holly is?

_____

How many feet are in 24 inches?

_____ feet

Circle the addition property
for 30 + 198 = 198 + 30.

associative property

commutative property

word root **gon** can mean **angle**   **pentagon, hexagon**

Name: _____

Anne has two favorite numbers. If you add her favorite numbers, you get 14. If you multiply her favorite numbers, you get 33. What are her mystery numbers?

_____

Can 732 be evenly divided by 6? Circle:

732 is evenly divisible by 6

732 is NOT evenly divisible by 6

Anne will win if a random number pulled out of a box is a multiple of 3. 22 pieces of paper, numbered 44 to 65, are put inside a box. What is the chance that Anne will win?

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

six hundred sixty-two thousand, six hundred nine

_____

Which is an example of a coordinating conjunction?

(A) and   (B) with

(C) until   (D) beyond

If you multiply 549 x 698, you will have a number that is how much bigger than 183 x 349?

It will be seven times as big.

It will be twice as big.

It will be six times as big.

It will be five times as big.

It will be nine times as big.

Connor has six bags of 20 pieces of red candy and one bag of green candy. He has 176 pieces of candy in all. How many pieces of green candy does he have?

word root **mar** can mean **sea**   aquamarine, marine, submarine

Name: _____

4 • 9 • x • = • 0 • 1 • x • 8 • = • 8 • 1 • 0 • = • 2 • 1 • 2 • 4
5 • 8 • 3

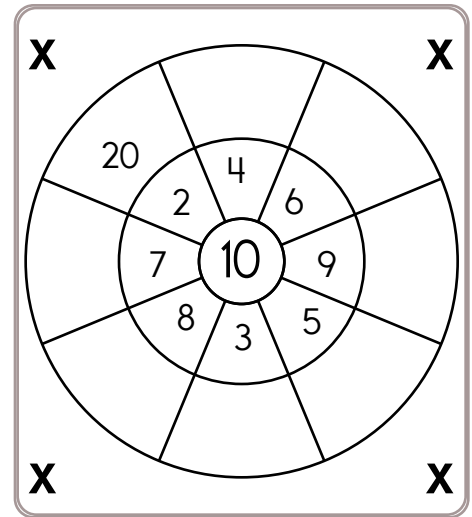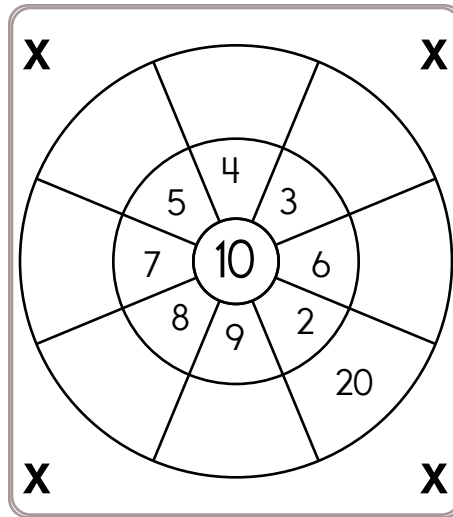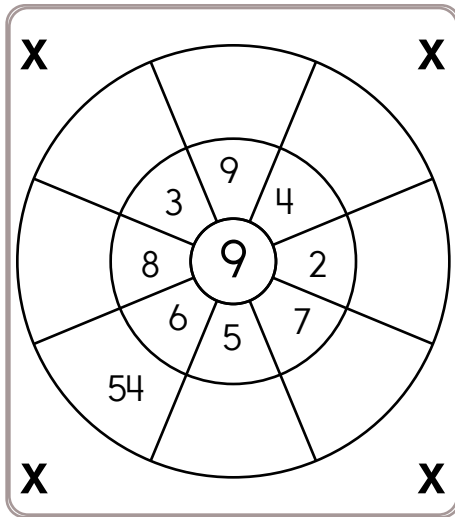Use the pieces above to help you fill in the runaway math puzzle.

8	x	5	=		0			

Runaway math puzzle with the following filled entries:

- **8 x 5 = ☐ 0**
- **1 x ☐ = 9**
- **3 ▨ 1**
- **9 ☐ 4 ☐ 3 6**
- **2** (vertical) ... **5 ▨ 9 ▨ ☐ x**
- **x**
- **5 ... 4 ... 2 ÷ 4 = 5**
- **= ... 7 ... 6**
- **x 2 = ... ÷ ▨ 1**
- **0 ... 0 ... ☐ 8 ÷ 6 = 8**
- **= ... ÷**
- **☐ 6 ÷ ☐ = 7**
- **=**
- **6**
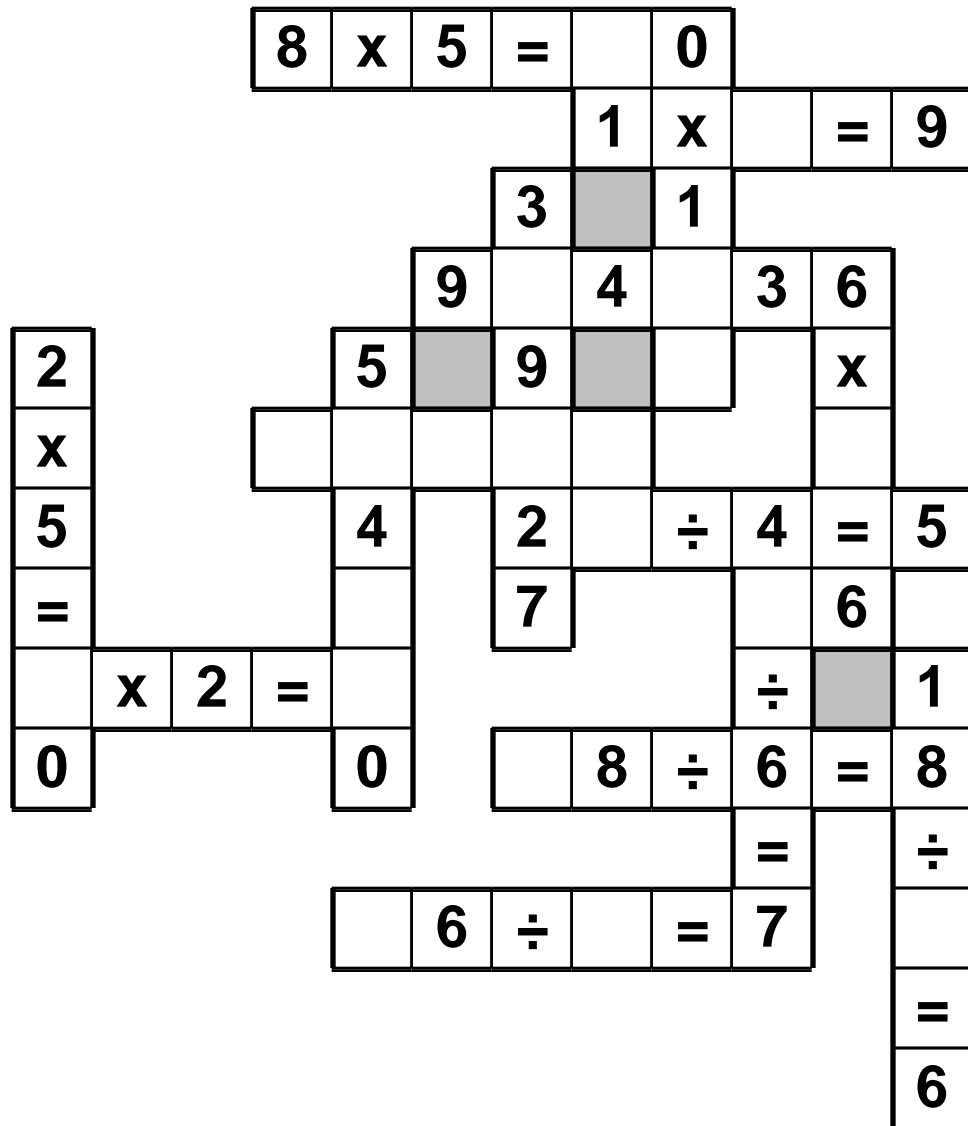
Write the missing family fact.

27 x 5 = 135
5 x 27 = 135
135 ÷ 5 = 27

_____

In the number 68,781,831, the digit 7 is in what place?

_____

Name: _____
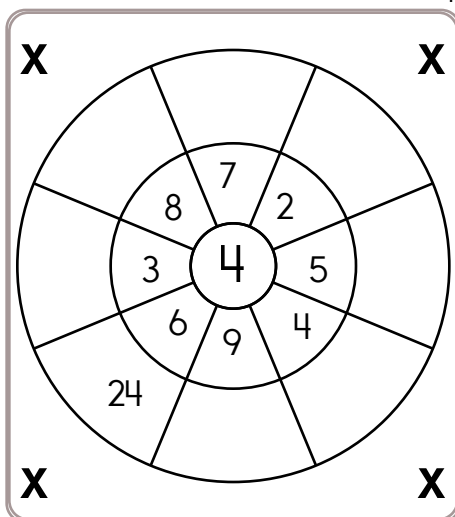
Multiply the numbers by the number in the center.

X X
9
3 4
8 **9** 2
6 7
5
54
X X

X X
4
5 3
7 **10** 6
8 2
9
20
X X

X X
20 4
2 6
7 **10** 9
8 5
3
X X

0 x 2 =   4 x 11 =   12 x 12 =   6 x 7 =   9 x 3 =

7 x 6 =   1 x 11 =   10 x 8 =   5 x 9 =   10 x 2 =

3 x 5 =   4 x 2 =   8 x 3 =   5 x 0 =   4 x 9 =

Multiply the numbers by the number in the center.

X X
7
8 2
3 **4** 5
6 4
9
24
X X

X X
5
4 2
3 **12** 7
6 9
8
108
X X

X X
24
5
8 3
4 **8** 9
7 2
6
X X
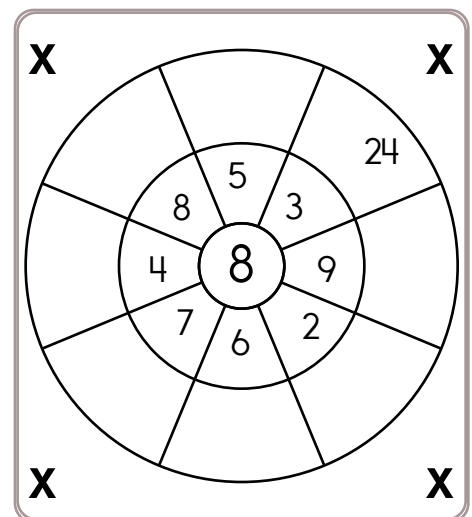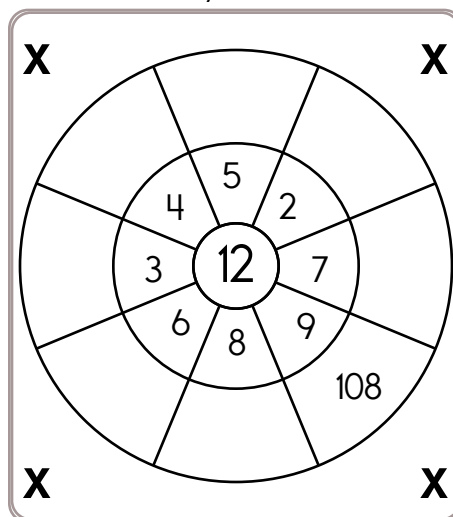
5 x 7 =   5 x 12 =   7 x 9 =   3 x 2 =   6 x 2 =

Name: _____

Coordinate Planes
Ordered Pairs
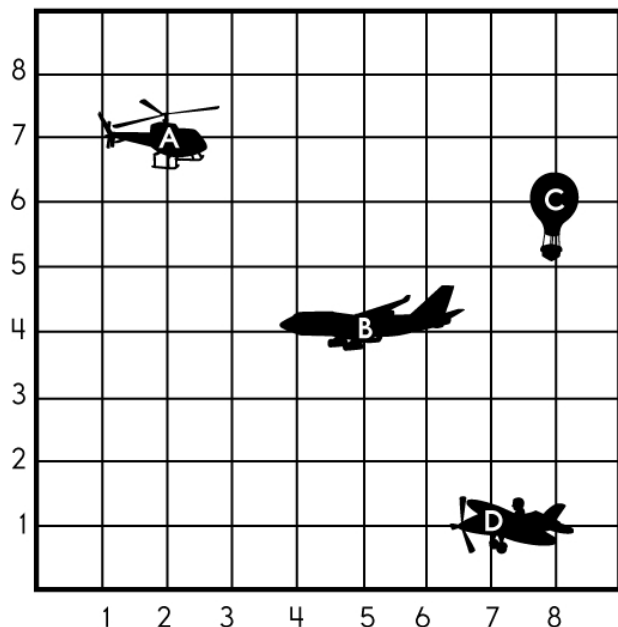
Write the letter for each ordered pair.

(2, 7) __A__   (5, 4) _____

(8, 6) _____   (7, 1) _____

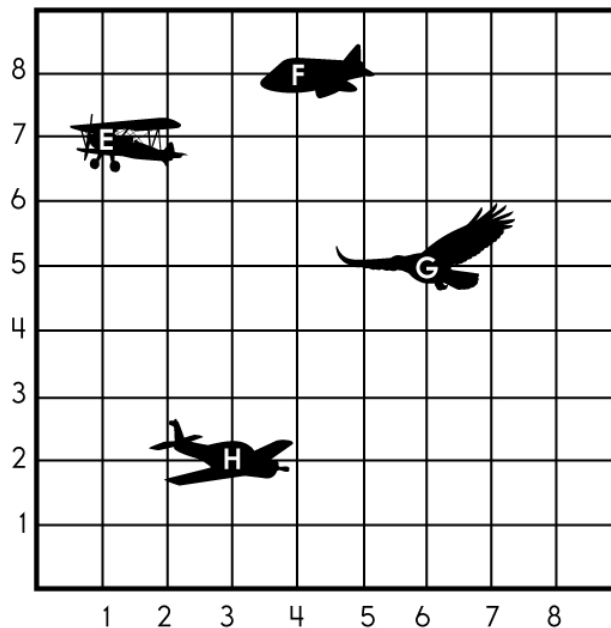Write the ordered pair for each letter.

(E) _____   (F) _____

(G) _____   (H) _____

Write the letter for each ordered pair.

Write the ordered pair for each letter.

(-4, 3) _____   (K) _____
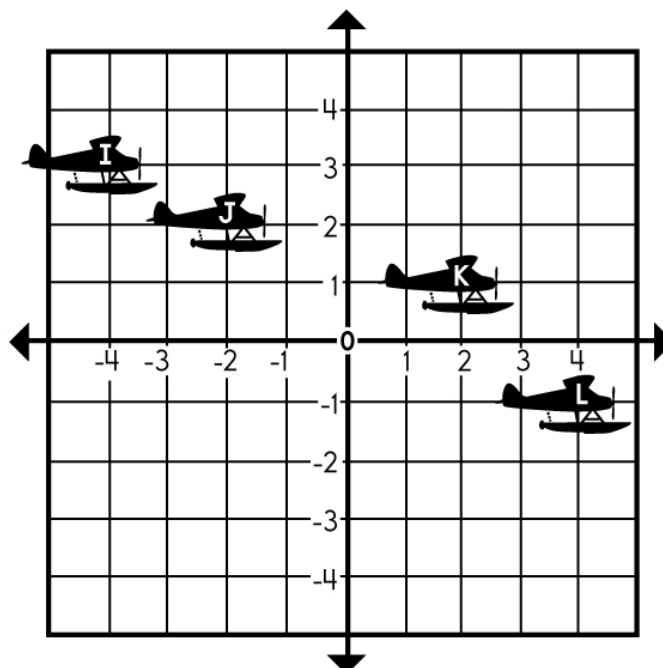
(-2, 2) _____   (L) _____

Name: _____

I am a 3-digit number with a 4 in the ones place. My tens digit is 3 less than my hundreds digit. Write any number that fits this.

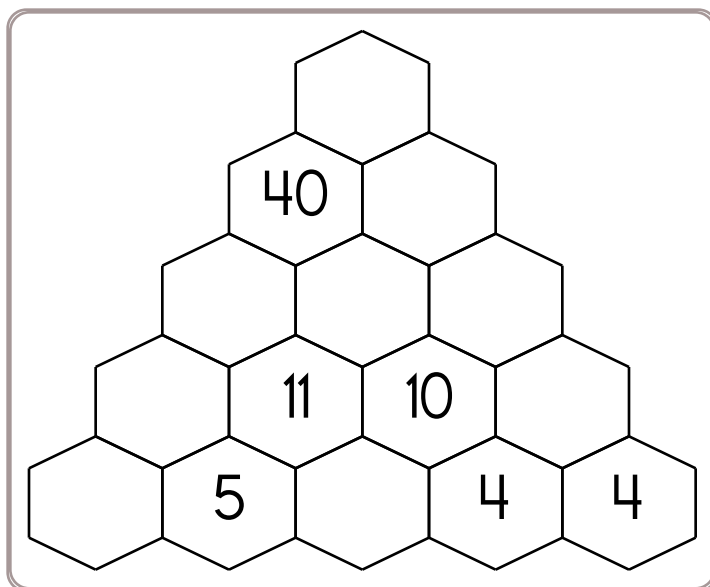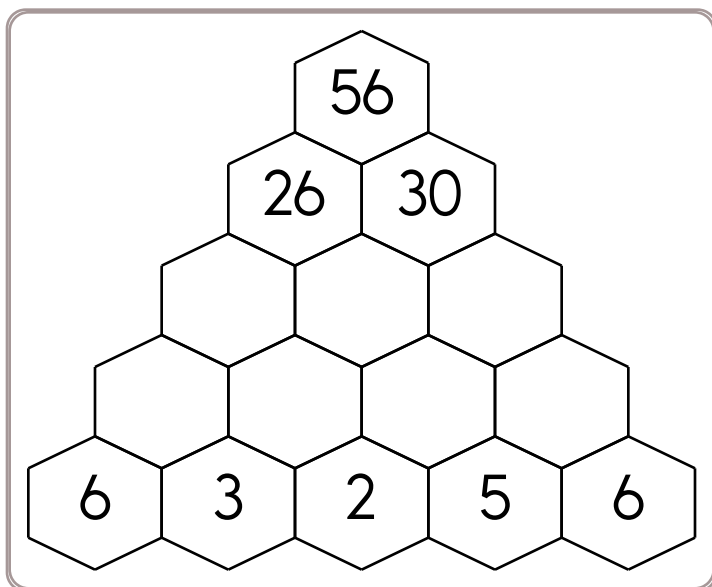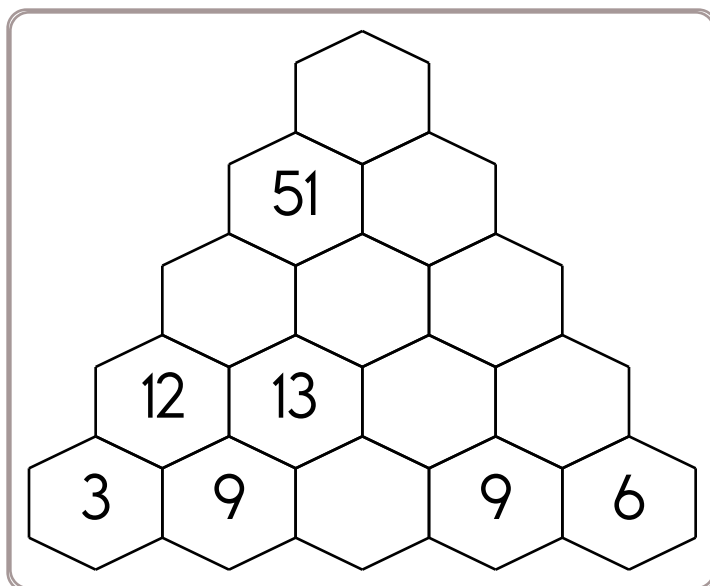Three consecutive numbers have a sum of 447. What are the numbers?
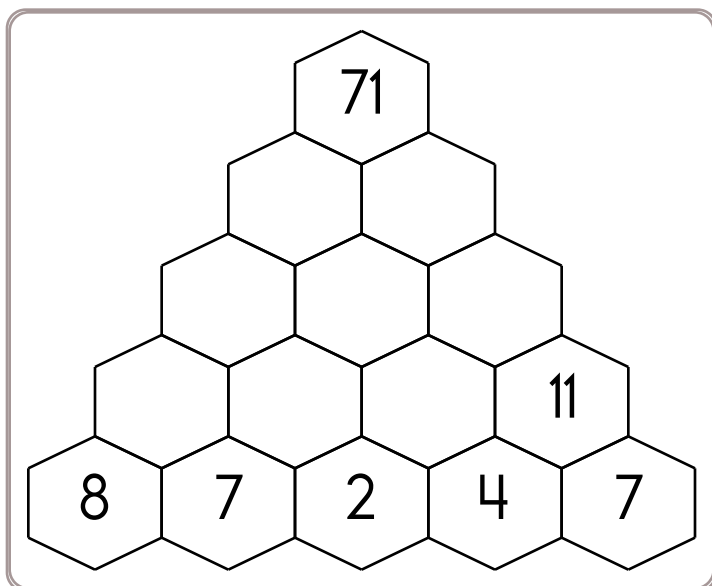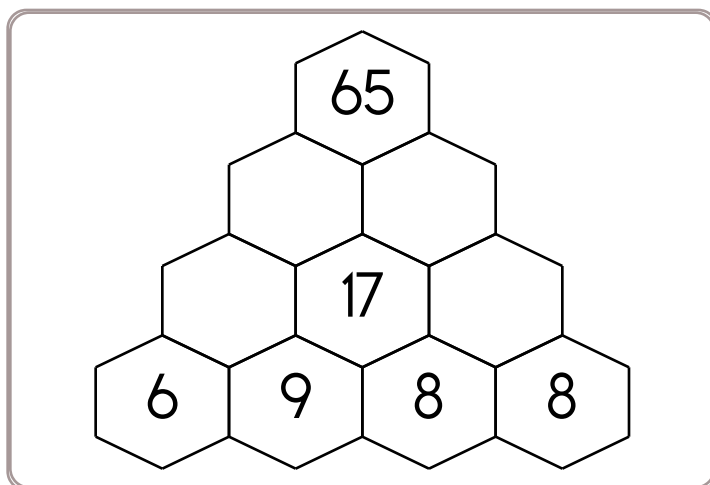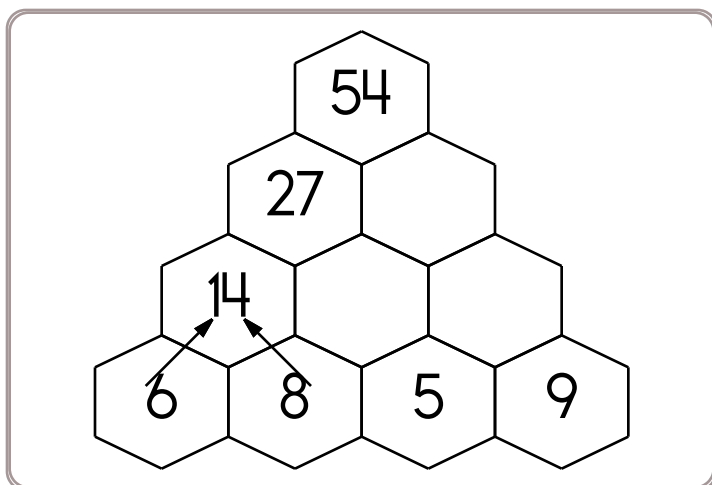
Is 35 a composite or a prime number?

40, 51, 62, 73, 84, 95,

_____, 117, 128, 139

C, F, I, _____, O, R,

U, X

Name: _____

Fill in the blanks by adding the two numbers below each hexagon.

54
27
14
6 8 5 9

65
17
6 9 8 8

71
11
8 7 2 4 7

51
12 13
3 9 9 6

56
26 30
6 3 2 5 6

40
11 10
5 4 4

Name: _____

Complete each analogy with the best word.

```
rain          ruined         distance
kind          river          used
hidden        one of a kind  blue
Spanish       fresh          sidewalk
hair          marshmallows   honest
Europe
```

United States : North America ::

Spain : _____

apple cider : cinnamon stick ::

hot chocolate : _____

trustworthy : dependable ::

considerate : _____

drive : road ::

walk : _____

common : well-known ::

unique : _____

grass : green ::

sky : _____

young : old ::

new : _____

ember : fire ::

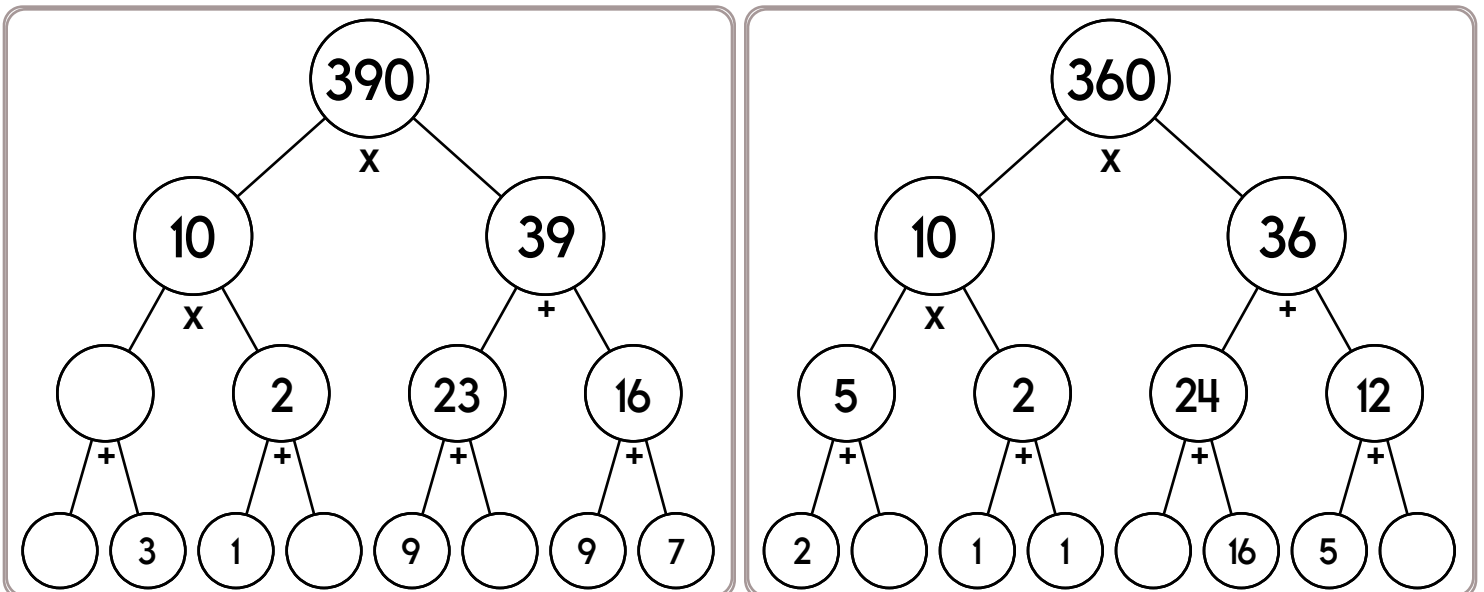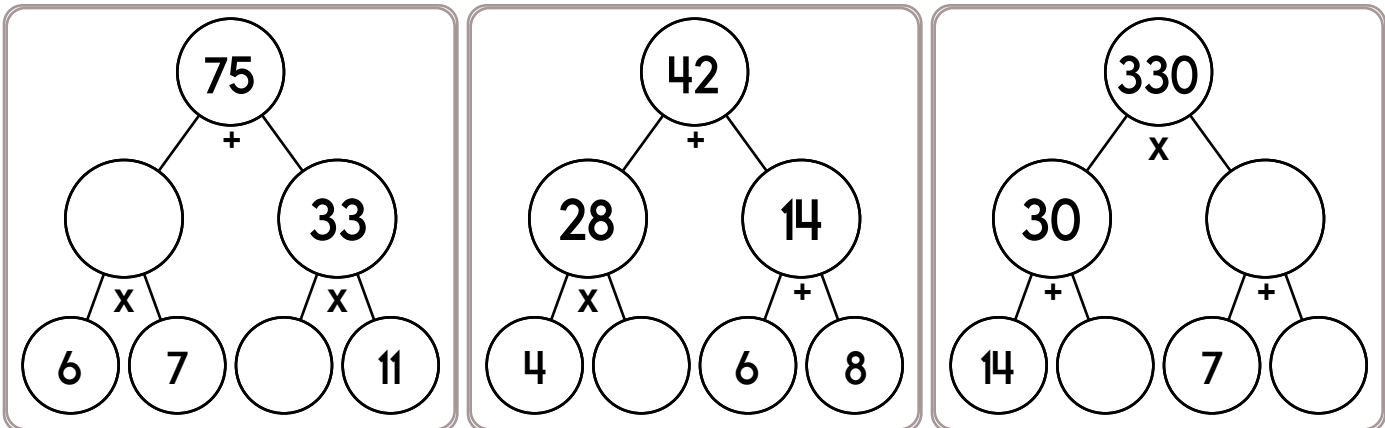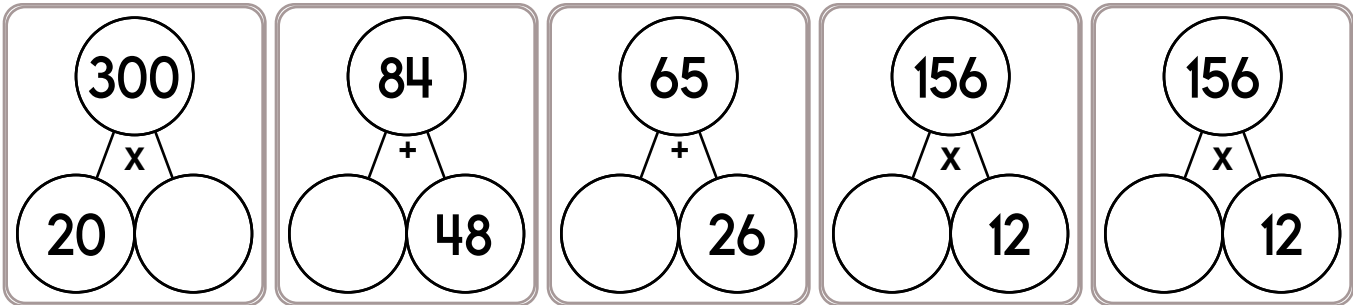stream : _____

reptile : scales ::

mammal : _____

North : direction ::

miles : _____

```
Y O I E S I W K E D I S T A N C E
R B L U E H N E P K I O G W U F S
E R U U A C E K O E I K O T N I P
J I D T S S T R C E H N N H F C O
L E U U O I C I S H S N D G A T H
D U W R N H B P O C H T V I I I A
T T N E Y E M E R Y A E U L R O I
R A U I L A S F C H A L A D N N R
E T R M V R R Y I P N E E R E C T
S E H I O E Y G M O L A L S S N K
E D M H F N R U D S A F U M S O T
D R E I T F K S M O C C S E E R O
C W I E T L O E E L I H E R R W X
S O O E R F O N Y I T I D I U A I
T Y U L V T L O I H R L C V T Y N
B A E R F O N A W P E D E E C O H
R D P U A I T S H U V M R R I S L
I N M V S G I E E U R O P E P W T
H O M S B Y E T E C N A L U B M A
D M E P Y R A M I D S L O E I I D
```

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EUROPE • PICTURES • HAIR
PYRAMIDS • VOTE • WISE
WOLF • STUDENT • LIGHT
FICTION • HALFTIME • CHILD
TARIFF • BLUE • DUNES
DESERT • AMBULANCE
DISTANCE • HOT • TREE
TOXIN • NORWAY • RIPE
WOOL • MONKEY • VERTICAL
SCALES • MONDAY • GRAY
UNIVERSE • MICROSCOPE • INK
UNFAIRNESS • COURAGE
RIVER • KIND • PHILOSOPHY
JEWELRY • SEASON • HEAR
USED
```

Name: _____

Tree 1: 300 x 20 = ( )

Tree 2: 84 + ( ) 48

Tree 3: 65 + ( ) 26

Tree 4: 156 x ( ) 12

Tree 5: 156 x ( ) 12

Tree 6: 75 + ( ) 33 ; ( ) = 6 x 7 ; 33 = ( ) x 11

Tree 7: 42 + 28 14 ; 28 = 4 x ( ) ; 14 = 6 + 8

Tree 8: 330 x 30 ( ) ; 30 = 14 + ( ) ; ( ) = 7 + ( )

Tree 9: 390 x 10 39 ; 10 = ( ) x 2 ; 39 = 23 + 16 ; ( ) = ( ) + 3 ; 2 = 1 + ( ) ; 23 = 9 + ( ) ; 16 = 9 + 7

Tree 10: 360 x 10 36 ; 10 = 5 x 2 ; 36 = 24 + 12 ; 5 = 2 + ( ) ; 2 = 1 + 1 ; 24 = ( ) + 16 ; 12 = 5 + ( )

The diameter of a circle is 1,306 cm. What is the radius of this circle?

A toy car can go 5 mph. How long would it take to go 6 miles?

Write $\frac{6}{12}$ in lowest terms.

word root **se** can mean **apart or aside**   secede, secession, seclusion

Name: _____

Rosa is making 5 batches of cheese popcorn and 2 batches of caramel popcorn. She needs $\frac{1}{3}$ of a cup of popcorn for each batch. How many cups of popcorn does she need?

Of the 200 students at Marion School, about $\frac{3}{8}$ of them have unique first names. What percent of them have unique first names?

Justin lined up 11-inch long blocks next to each other. He had 20 of these blocks.

Now Billy wants to make the same length but use 10-inch blocks. How many 10-inch blocks will he need to use?

Reduce $\frac{2}{16}$ to its lowest terms.

$16 + \frac{2}{5} + \frac{1}{4} =$

$47 - \frac{7}{8} =$

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.
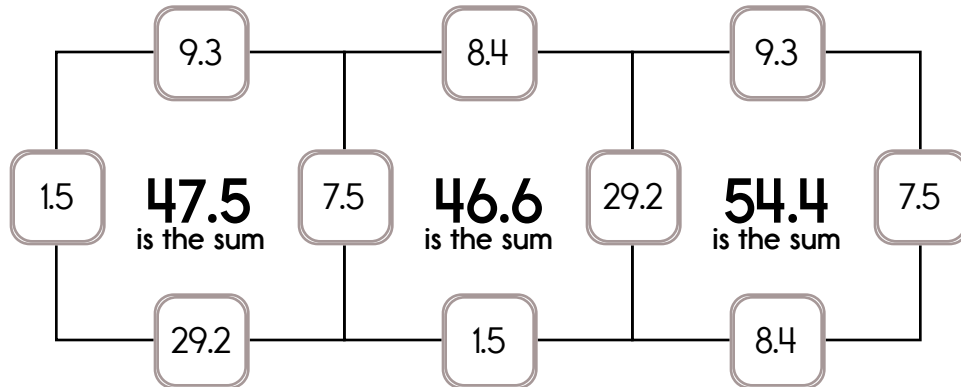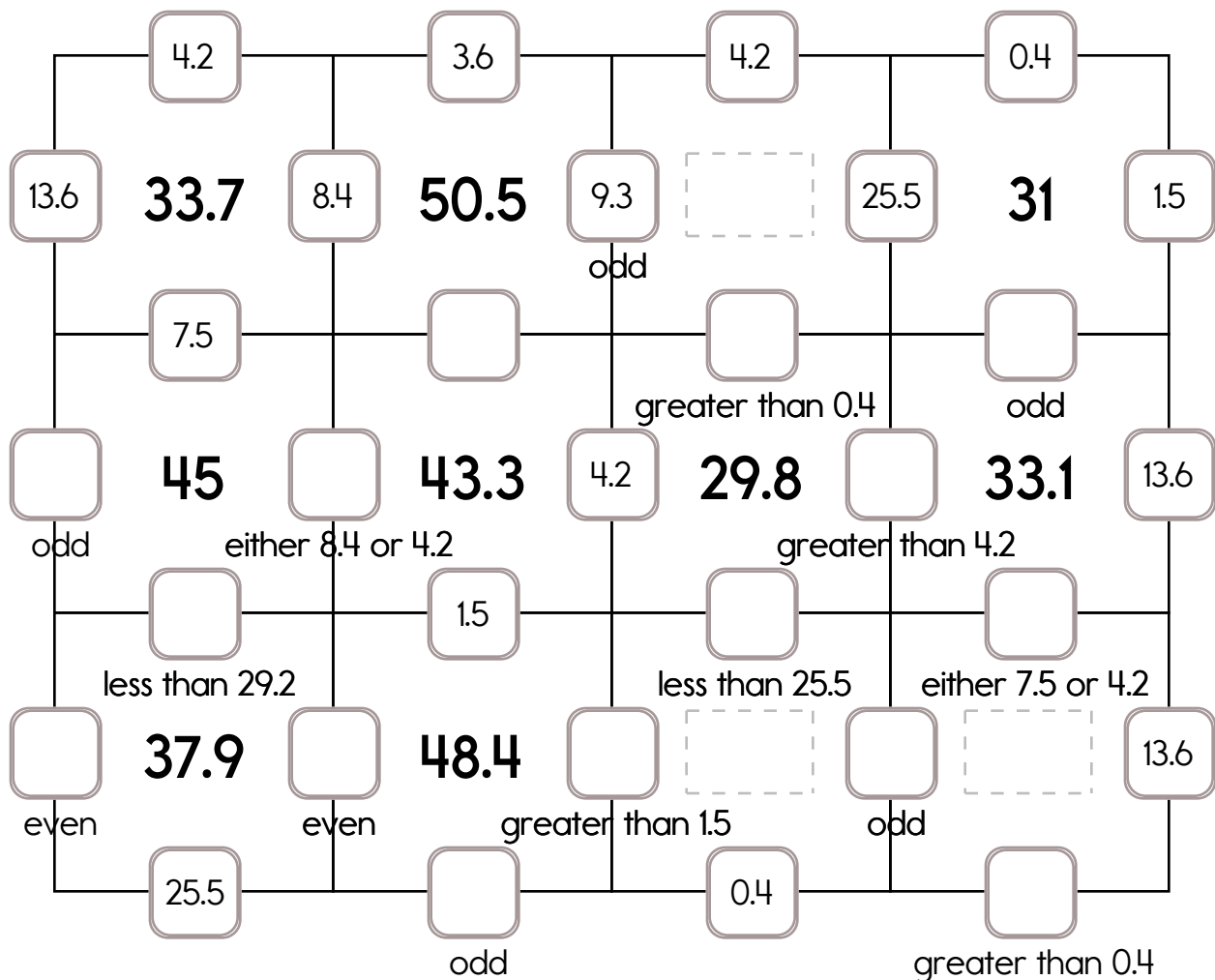
Example:
1.5 + 7.5 + 9.3 + 29.2 = 47.5

Example:
29.2 + 7.5 + 9.3 + 8.4 = 54.4

Sample:

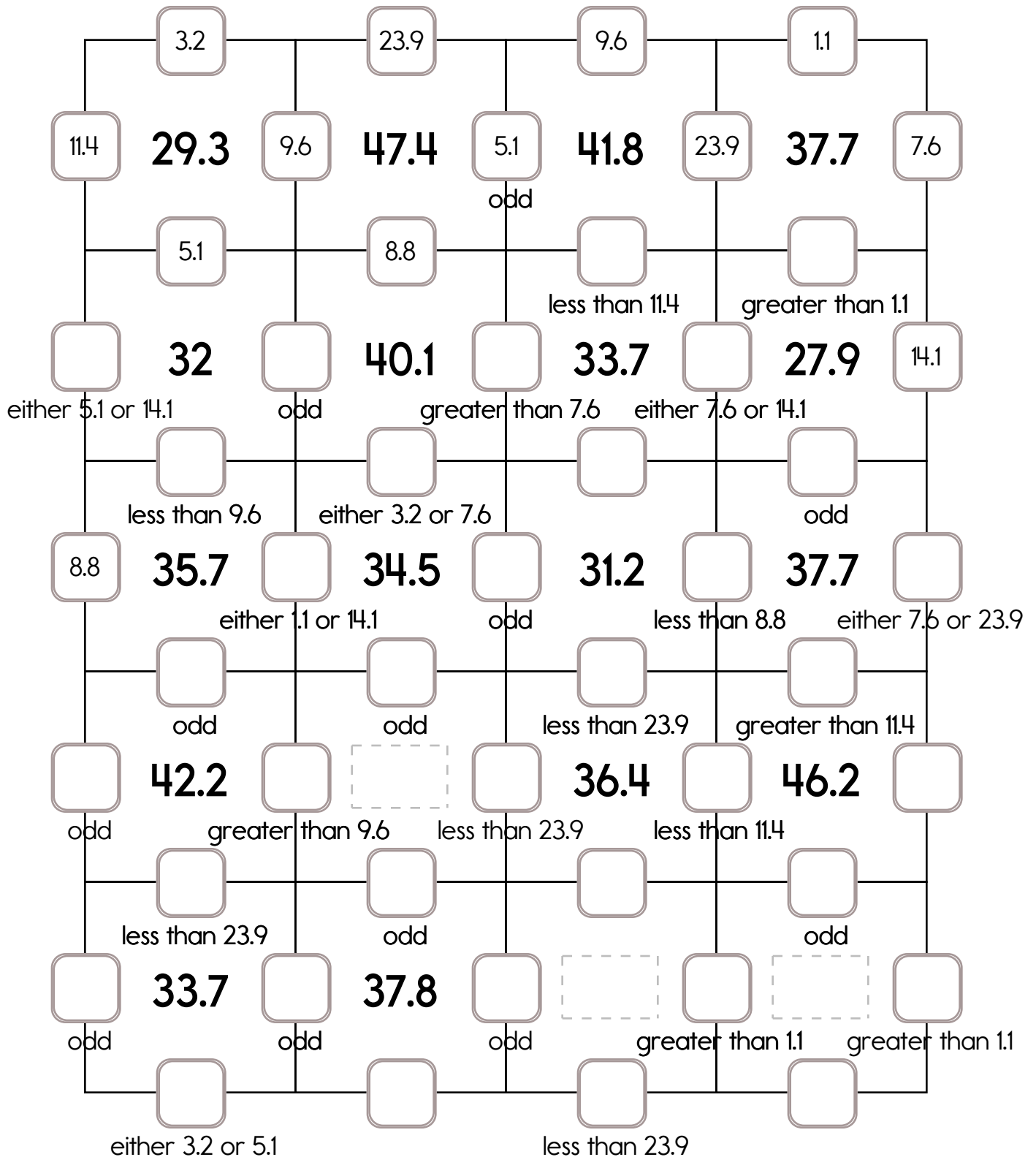|	9.3		8.4		9.3	
1.5	**47.5** is the sum	7.5	**46.6** is the sum	29.2	**54.4** is the sum	7.5
	29.2		1.5		8.4	

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: 13.6, 29.2, or 25.5.
The other three numbers have to all be DIFFERENT and must be from these: 4.2, 0.4, 1.5, 8.4, 9.3, 7.5, or 3.6.**

	4.2		3.6		4.2		0.4	
13.6	**33.7**	8.4	**50.5**	9.3	[ ]	25.5	**31**	1.5
	7.5				[ ] odd		[ ]	
					greater than 0.4		odd	
[ ] odd	**45**	[ ]	**43.3**	4.2	**29.8**	[ ]	**33.1**	13.6
	[ ] less than 29.2		1.5		greater than 4.2		[ ] either 7.5 or 4.2	
[ ] even	**37.9**	[ ] even	**48.4**	[ ] greater than 1.5	[ ]	[ ] odd	[ ]	13.6
	25.5		[ ] odd		0.4		[ ] greater than 0.4	

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: 14.1, 23.9, or 11.4. The other three numbers have to all be DIFFERENT and must be from these: 8.8, 5.1, 9.6, 1.1, 7.6, or 3.2.

| 3.2 | 23.9 | 9.6 | 1.1 |

| 11.4 | **29.3** | 9.6 | **47.4** | 5.1 | **41.8** | 23.9 | **37.7** | 7.6 |

| 5.1 | 8.8 | ☐ | ☐ |
| | | less than 11.4 | greater than 1.1 |

| ☐ | **32** | ☐ | **40.1** | ☐ | **33.7** | ☐ | **27.9** | 14.1 |
| either 5.1 or 14.1 | | odd | | greater than 7.6 | | either 7.6 or 14.1 | |

| ☐ | ☐ | ☐ | ☐ |
| less than 9.6 | either 3.2 or 7.6 | | odd |

| 8.8 | **35.7** | ☐ | **34.5** | ☐ | **31.2** | ☐ | **37.7** | ☐ |
| | either 1.1 or 14.1 | | odd | | less than 8.8 | | either 7.6 or 23.9 |

| ☐ | ☐ | ☐ | ☐ |
| odd | odd | less than 23.9 | greater than 11.4 |

| ☐ | **42.2** | ☐ | ☐ | ☐ | **36.4** | ☐ | **46.2** | ☐ |
| odd | greater than 9.6 | less than 23.9 | less than 11.4 | |

| ☐ | ☐ | ☐ | ☐ |
| less than 23.9 | odd | | odd |

| ☐ | **33.7** | ☐ | **37.8** | ☐ | ☐ | ☐ | ☐ | ☐ |
| odd | odd | odd | greater than 1.1 | greater than 1.1 |

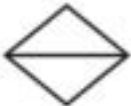| ☐ | ☐ | ☐ |
| either 3.2 or 5.1 | less than 23.9 |

Name: _____

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

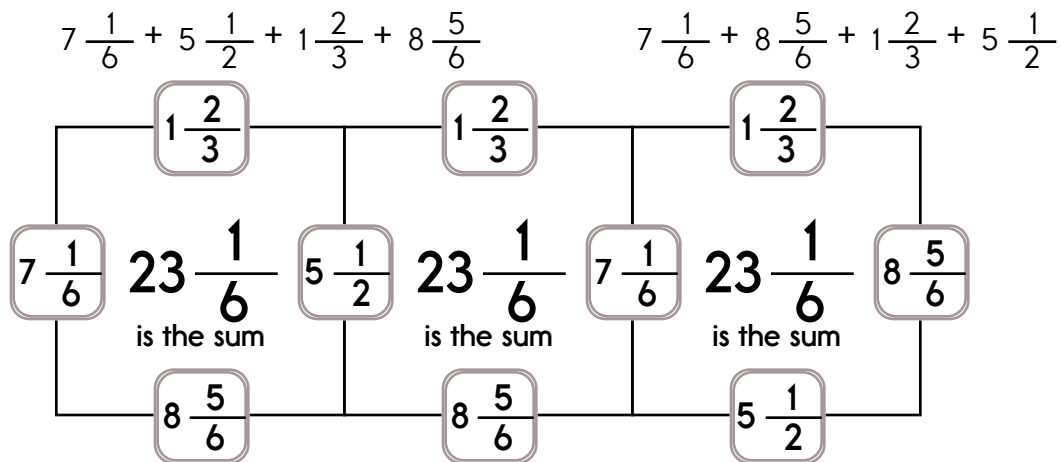| 2	5	6			
3	4	1	2		
			3	1	
	3				5
			4		1
6					3

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

Name: _____

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

$7\frac{1}{6} + 5\frac{1}{2} + 1\frac{2}{3} + 8\frac{5}{6}$ $7\frac{1}{6} + 8\frac{5}{6} + 1\frac{2}{3} + 5\frac{1}{2}$

Sample:

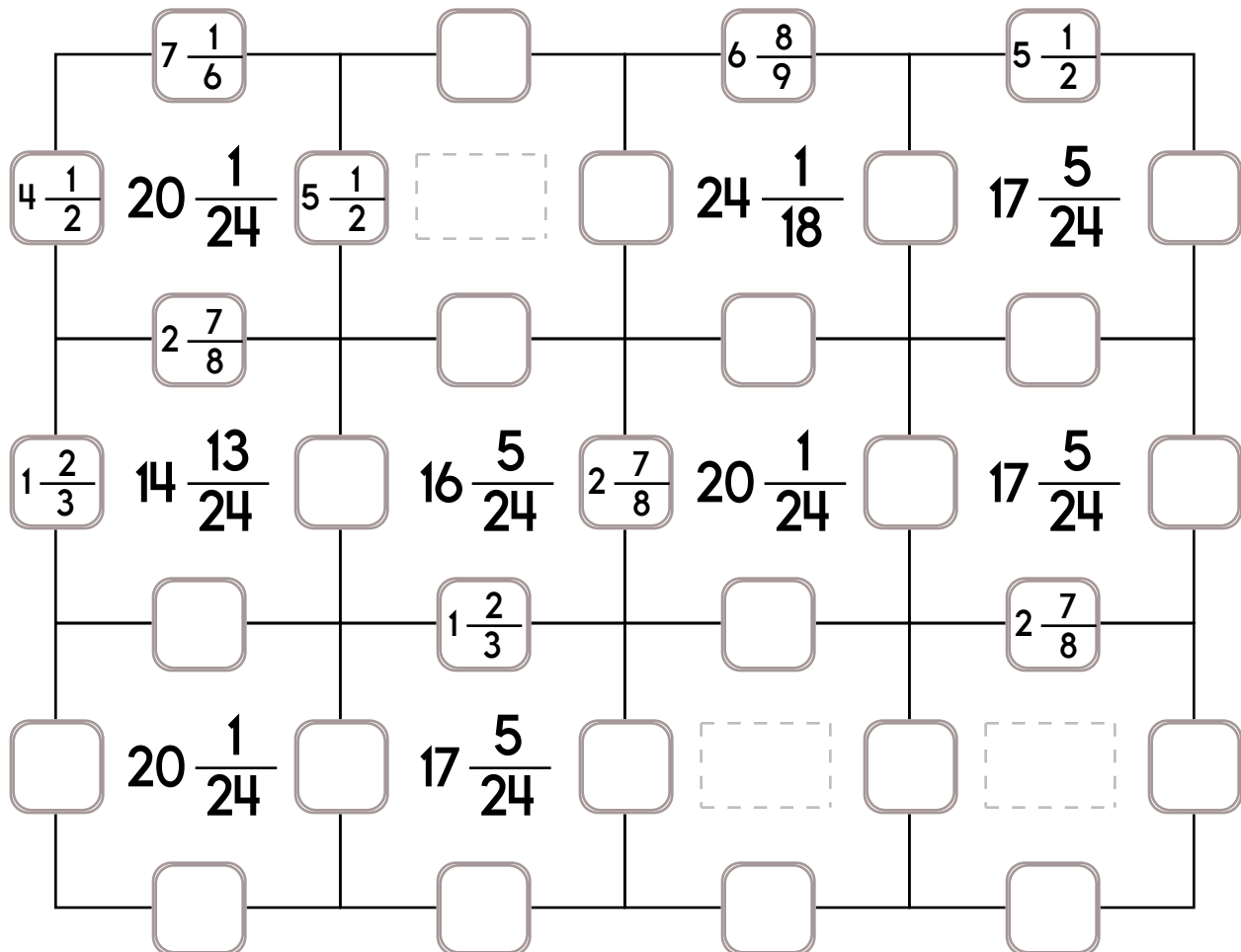|	$1\frac{2}{3}$		$1\frac{2}{3}$		$1\frac{2}{3}$	
$7\frac{1}{6}$	$23\frac{1}{6}$ is the sum	$5\frac{1}{2}$	$23\frac{1}{6}$ is the sum	$7\frac{1}{6}$	$23\frac{1}{6}$ is the sum	$8\frac{5}{6}$
	$8\frac{5}{6}$		$8\frac{5}{6}$		$5\frac{1}{2}$	

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: $8\frac{5}{6}$, $6\frac{8}{9}$, or $2\frac{7}{8}$.

The other three numbers have to all be DIFFERENT and must be from these: $7\frac{1}{6}$, $5\frac{1}{2}$, $4\frac{1}{2}$, or $1\frac{2}{3}$.

	$7\frac{1}{6}$				$6\frac{8}{9}$		$5\frac{1}{2}$	
$4\frac{1}{2}$	$20\frac{1}{24}$	$5\frac{1}{2}$			$24\frac{1}{18}$		$17\frac{5}{24}$	
	$2\frac{7}{8}$							
$1\frac{2}{3}$	$14\frac{13}{24}$		$16\frac{5}{24}$	$2\frac{7}{8}$	$20\frac{1}{24}$		$17\frac{5}{24}$	
			$1\frac{2}{3}$				$2\frac{7}{8}$	
	$20\frac{1}{24}$		$17\frac{5}{24}$					

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: $9\frac{3}{5}$, $3\frac{1}{2}$, or $3\frac{1}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: $9\frac{4}{5}$, $5\frac{1}{5}$, $1\frac{2}{5}$,

or $2\frac{4}{5}$.