Name: _____

Round 61,635 to the nearest hundred.

What 3 coins add up to 15 cents?

It was 9 degrees below zero in the morning. By afternoon the temperature rose 28 degrees. How warm was it?

e, 4, W, e, _____, W, e, 4, W, e, 4, W, e

The radius of a circle is 351 cm. What is the diameter of this circle?

T, T, E, _____, T, E, T, T, E, T, T, E, T, T, E

How much time is it from 6:00 a.m. to 11:50 a.m.?

Write $\frac{4}{6}$ in lowest terms.

It was 81 degrees outside. What would the temperature be if it got 27 degrees colder?

The perimeter of a rectangle is 14 cm. The longer side is 5 cm. How long is the shorter side?

Write the missing family fact.

6 x 19 = 114

114 ÷ 6 = 19

114 ÷ 19 = 6

How many meters are there in 61 kilometers?

Name: _____

$\frac{N}{8} = 8$

$3y = 24$

$\frac{N}{11} = 3$

$2 - 3 - 2 =$

Rewrite 14 - 9

___ + ___ = ___

$14 + -11 =$ ___

$14 - 11 =$ ___

$$\begin{array}{r} 0.7 \\ - 0.5 \\ \hline \end{array}$$

What is the sum of 2.7 and 5.2?

$$\begin{array}{r} 5.3 \\ - 4.62 \\ \hline \end{array}$$

Sketch an obtuse angle named ∠BCD.

Sketch a right angle named ∠FGH.
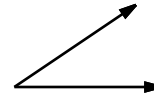
What kind of angle has a measure of 180°?

$14 + y = 21$

What is the least common multiple of 3 and 4?

$x - 13 = 27$

Name: _____

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

What kind of angle is this?

Change to a percent.

$\frac{58}{100}$

Write the ratio as a fraction.
6 to 10

5 is what % of 10?

Change $\frac{1}{2}$ to a decimal.

$$\begin{array}{r} 5.68 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.57 \\ \times \quad 2 \\ \hline \end{array}$$

-12 - -7 =

-36 ÷ -9 =

24 + -34 =

Write the reciprocal.

$\frac{3}{16}$

Write the reciprocal.
7

Write the reciprocal.

$\frac{2}{6}$

Name: _____

| Paul started chopping down 500 trees at 8:45 a.m. one morning. He finished the last tree at 9:27 a.m. How much time did he spend chopping? | Robert arrived at the ice cream shop at 12:50 p.m. He bought a black cow root beer float. He drank the float and left after 32 minutes. At what time did he leave the ice cream shop? | Jason had 73¢ to buy chocolate ice cream. Adam gave him 25¢ more. Jason spent 90¢ for a chocolate cone. How much money does he have left? Write an expression to find the amount of money he has left. Solve it. |
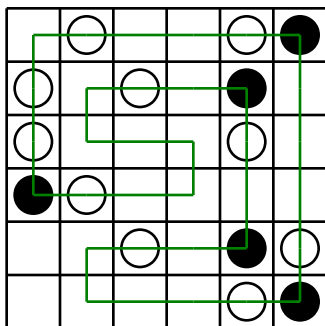
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
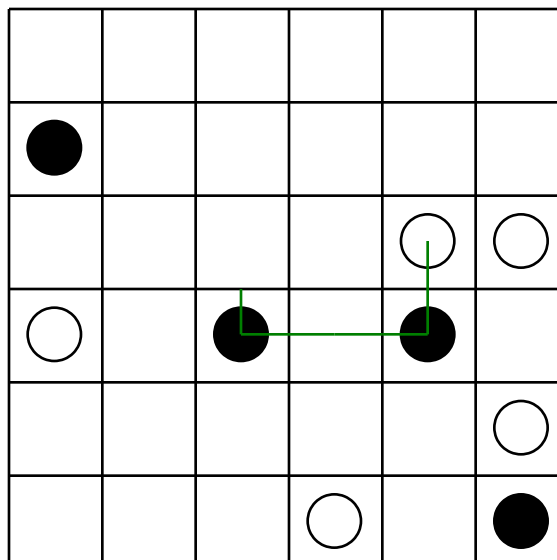You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:
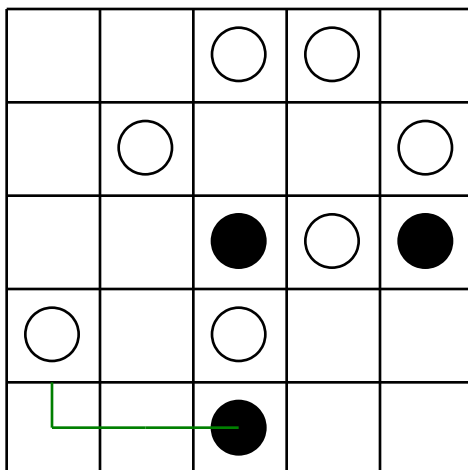
Finish the line:

Name: _____

Ava is getting messy. She has made a 2' x 1' x 3' cube made out of clay blocks. She wants her art project to have at least a surface area of 12 square feet. Does she need to add more clay?

$$\begin{array}{r} 3\ 1 \\ +\ 3\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4\ 4\ 0 \\ -\ 2\ 5\ 1 \\ \hline \end{array}$$

$9 \times 6 =$

What time is 17 hours after 3:00 p.m.?

_____

Circle the addition property for 58 + 196 = 196 + 58.

associative property

commutative property

How far do you think it is from your desk to your teacher's desk? Write an estimate of the distance you think it could be.

$$\begin{array}{r} 7\ 0 \\ -\ 5\ 2 \\ \hline \end{array}$$

Which is the largest?

$98.5 \div 3.3$ $98.5 \div 3.4$ $98.5 \div 3.5$

15 kg = _____ g

1 km = 1,000 m

13 km = _____ m

Circle the greatest number:
96,572
413,807,380
4,521
967,502

How many centimeters are in 90 millimeters?

_____ centimeters

Circle the relative adverb.
how, who, when, we

Put these adjectives in the correct order.
antique, gorgeous, gold

_____

$33 \div 11 =$

Name: _____

Sudoku Sums of 8

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 8.

Here is an example of a sudoku sum of 8:

1	7

		1			6
				2	
2	4		6		
				5	2
	3			1	
					5

$$3\,5\,4$$
$$+\,4\,8\,2$$

$96 \div 8 =$

Write an equation to represent this:

The product of ten and six is sixty.

_____

$9 \times 4 =$

Circle the digit in the hundredths place.

957.44

In each pair, circle the word that is spelled correctly.

chance, chanse
congres, congress
dairie, dairy

In each group, circle the word that is spelled correctly.

eeger, eager
picture, pickture
treatment, treetment

Name: _____

6 • 9 • x • 9 • 3 • 1 • 0 • 4 • = • 5 • 9 • 0 • ÷ • 3 • 9 • =
6 • 2 • = • 6

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

	x		=	5	4

(puzzle grid)
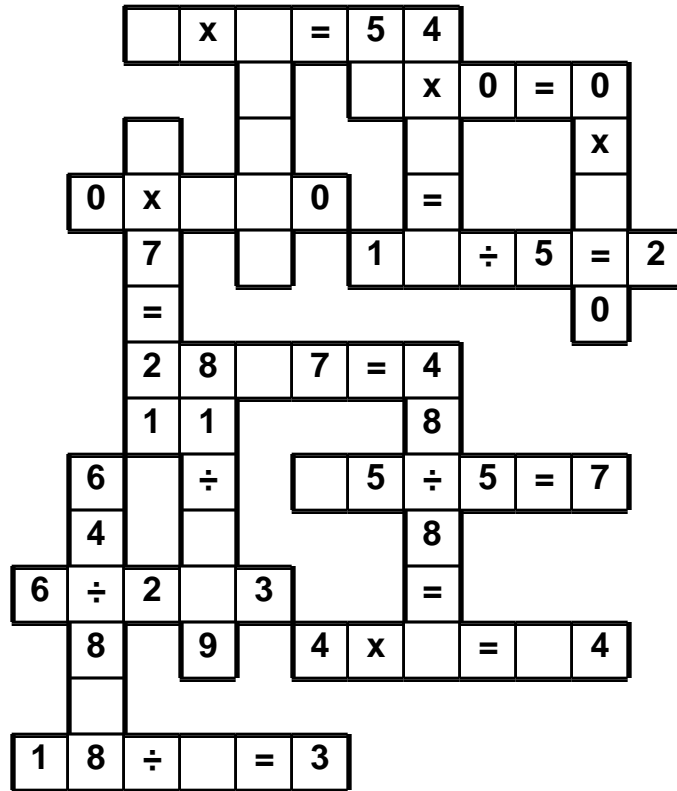
Jessica wrote that 67 divided by 9 has a remainder of 4. For her homework, she needs to find three other numbers that when divided by 9 will have a remainder of 4. Help her with her homework.

Jessica has two favorite numbers. If you add her favorite numbers, you get 20. If you multiply her favorite numbers, you get 51. What are her mystery numbers?

_____

Name: _____

Anna and Anne are so lucky. They each have

hedgehogs!

Anna's hedgehog is named Kevin and weighs

$18\frac{5}{8}$ ounces. Anne's hedgehog is $1\frac{1}{20}$ ounces

heavier and is named Justin.

How many ounces does Justin weigh?

Ava, Jack, and Mary made two pans of brownies. They want to share the brownies equally among themselves. What fraction of a pan of brownies will each of them get?

Hint: What will you divide?
How many people are there?
How many pans of brownies?

$3\frac{1}{5} + 4\frac{9}{10} + 5\frac{2}{3}$

It's time for a pizza party. We got two pizzas to share with five kids. If we want everyone to have the same amount of pizza, then what fraction of a pizza should each kid get?

Hint: Draw a picture of the pizzas.

Slice each of the pizzas into 5 parts.
Then give everyone an equal number of slices.
And answer the question - bam bam bam - what fraction of one pizza did everyone get?

$3\frac{1}{4} + 4\frac{7}{8} - 5\frac{2}{3}$

Name: _____

Holly made a huge sugar cookie 15 inches x 12 inches. She decorated it with red, white, and blue sugar to look like an American flag. She cut it into 2 inch x 3 inch pieces. How many pieces could be cut from the huge sugar cookie?	Wendy wrote a report about Sally Ride for her science class. It took her an hour and 20 minutes to write the report. If she began writing at 11:47 a.m., what time did she finish the report?	To celebrate Read a Book Month the Mountain Springs town library is giving a bookmark to everyone who reads at least five books during December. The bookmarks cost seven cents each. The library decided to buy 250 bookmarks. How much did the bookmarks cost in all?
Mrs. Rodriguez was a volunteer at the Angel Thrift Shop. She worked every morning from 9:00 a.m. until 11:15 a.m. How many hours did she work in 9 days?	Rosa is making cards for Friendship Day. She is putting 2.4 inches of blue ribbon, 3.2 inches of yellow ribbon, and 1.5 inches of green ribbon on each card. How many inches of ribbon in all will she use on each card?	The mass of Anne's cat is 22 grams more than Jessica's cat. Rose's cat is 33 grams more than twice the mass of Jessica's cat. Jessica's cat's mass is 1,360 grams. What is the mass of Rose's cat?

Name: _____

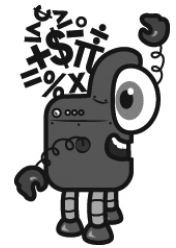|		
Write as a decimal. $2\frac{5}{100}$	Write as a decimal. $7\frac{8}{10}$	Write as a decimal. Eighteen and fifty-one hundredths
Write as a decimal. $\frac{2}{100}$	Write as a decimal. $\frac{3}{10}$	Write as a decimal. $\frac{9}{10}$
What is the sum of 19.3 and 3.8?	$\begin{array}{r} 5.59 \\ -4.98 \\ \hline \end{array}$	0.51 + 8.6 + 0.1 =
$6\overline{)3.6}$	$\begin{array}{r} 0.848 \\ \times \quad\quad 3 \\ \hline \end{array}$	Change $\frac{9}{20}$ to a decimal.
$\begin{array}{r} 7.7 \\ \times \quad 4 \\ \hline \end{array}$	$7\overline{)42.7}$	$\begin{array}{r} 5.98 \\ \times \quad\quad 4 \\ \hline \end{array}$

Name: _____

Mental Math   — #1 —

◆ **Start with the number 486.**   <u>486</u>

◆ **Add the digits in your number. The
  sum of that is your new number.**   _____
  8 9 9 0 2 1 8 9 4 4 (Circle your answer to double check you are correct.)

◆ **Increase that number by 37.**
  6 1 8 5 5 2 3 5 4 0   _____

◆ **Add the digits in your number. The sum of
  that is your new number.**
  1 6 1 0 5 7 8 2 7 2   _____

◆ **Increase that number by 45.**
  5 5 1 1 5 4 8 8 6 6   _____

◆ **Divide by 5.**
  6 6 3 6 1 1 4 5 2 4   _____

◆ **Add half of 48.**
  9 1 6 4 7 0 3 5 2 3   _____

◆ **Round to the nearest ten.**
  4 4 0 0 5 7 6 3 7 0   _____

◆ **Multiply the tens digit by the ones digit. The
  product is your new number.**
  3 5 4 7 5 6 7 0 9 1   _____

◆ **Triple that number.**
  2 3 5 5 4 3 3 5 0 5   _____

◆ **Multiply by 7.**
  6 9 0 7 4 8 5 0 3 8   _____

Name: _____

x - 7 = 32	What is the least common multiple of 9 and 18?	x - 11 = 3
8 + n = 38	n + 5 = 13	What is the greatest common factor of 4 and 6?
Is the least common multiple of 10 and 12 smaller, equal to, or greater than the greatest common factor of 10 and 12?	What is the greatest common factor of 14 and 26?	What is the least common multiple of 4 and 6?

$$\begin{array}{r} 2\,5 \\ \times \ \ 1\,6 \\ \hline \end{array}$$

$$\begin{array}{r} 1,2\,1\,8 \\ \times \ \ \ \ \ \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1\,9 \\ \times \ \ \ \ 8 \\ \hline \end{array}$$

Name: _____

Roman Numerals

1 is written with an I.

    5 is written with a V.

        10 is written with an X.

           50 is written with an L.

               100 is written with a C.

You cannot have 4 of the same letter consecutively.

    4 is written as IV.

        9 is written as IX.

           40 is written as XL.

So you cannot write 44 like this: XXXXIIII.

    But you would write 44 like this: XLIV.

I = _____

IV = _____

VI = _____

IX = _____

XIII = _____

XIV = _____

XVI = _____

XIX = _____

XXII = _____

Write the number as a Roman numeral and then find the Roman numeral.

2 _____ XXIIIIXIIIXI IIVVXXVIII	7 _____ XIXVIIXIVX XVIIXLIVIV	8 __VIII__ XIIIIVIIIIIX VIIIXIIXVII	1 _____ VIIIXIXXXV IXXXVIIIIXIX
12 _____ IIIXIIIXLIVI XIIXXVIIIIIV	11 _____ XIXVXXVIII XIXXXIIIIIIII	10 _____ XXXIIIVXLV XXLVVIIXIX	5 _____ IVXIIIXXXIX IIIVXIIXVII
44 __XLIV__ IXXIVXLIVX XVIVIVXLIV	23 _____ XXIIIXXXXLX XXIIIXXXIXX	29 _____ XXIVXXIXXII IIIXXIXXIIXI	42 _____ XXVXLIIIXII VIXLIIXLIVI
26 _____ XXVIVIIIXV IXVIIXXVIX	22 _____ XXIIIXXIXIII XXIXXIIVXV	50 _____ XXIILVIXVII XXLXIVIIVII	56 _____ XLLVIXXXVX VLVIVXXXII

Name: _____

Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.

Puzzle 1

START 2 | 4 | 6 | 8

4 | 5 | 8 | 1

9 | 6 | 7 | 6

3 | 1 | 5 | FINISH SUM: 43

$2 + \underline{4} + \underline{9} + \underline{6} + \underline{7} + \underline{8} + \underline{1} + \underline{6} = 43$

Puzzle 2

START 9 | 4 | 12 | 3

18 | 3 | 14 | 3

1 | 15 | 16 | FINISH SUM: 79

$9 + \underline{4} + \underline{12} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} = 79$

Puzzle 3

START 9 | 7 | 6 | 9

6 | 9 | 9 | 7

7 | 8 | 8 | 6

8 | 9 | 7 | FINISH SUM: 76

Did you find a path? Write the equation.

Puzzle 4

START 4 | 5 | 6 | 3

1 | 7 | 7 | 9

5 | 4 | 3 | 2

9 | 4 | 2 | FINISH SUM: 21

$4 + \underline{} + \underline{} + \underline{} + \underline{} + \underline{} = 21$

Name: _____

$83.21 + $42.43 =

A) $165.23

B) $125.64

C) $160.60

D) $147.96

73.55 ÷ 100 =

A) 73.55

B) 10.7355

C) 0.7355

D) 7.355

---

sixty-four million, seven hundred thirty-eight thousand, seven hundred seventy-nine =

A) 6473877900

B) 64738779

C) 64738779000

D) 96734877

0.946 - 0.412 =

A) 0.534

B) 4.314

C) 0.564

D) 0.132

Rachel is driving to meet her friend at the coffee house. She looked at her watch and saw it was 5:30. If she is supposed to meet her friend at 6:13, how much time does she have?

A) 44 minutes

B) 17 minutes

C) 50 minutes

D) 43 minutes

Which of the following numerals has an 8 in the thousandths place?

A) 9.9815

B) 6.8951

C) 3.9185

D) 3.1598

Name: _____

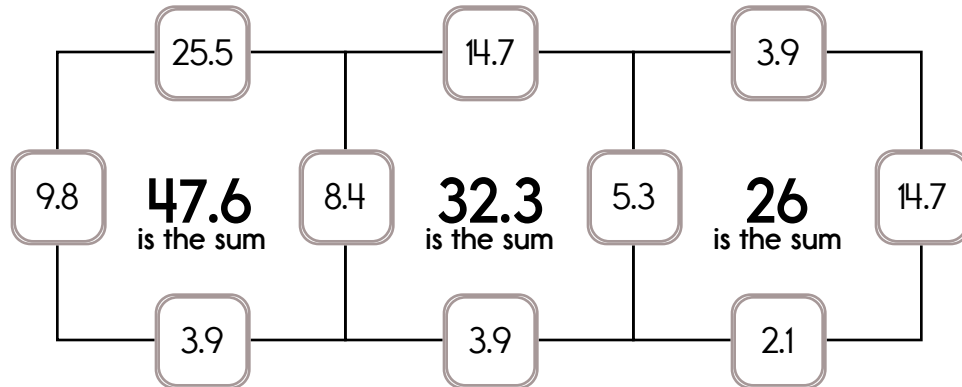This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.
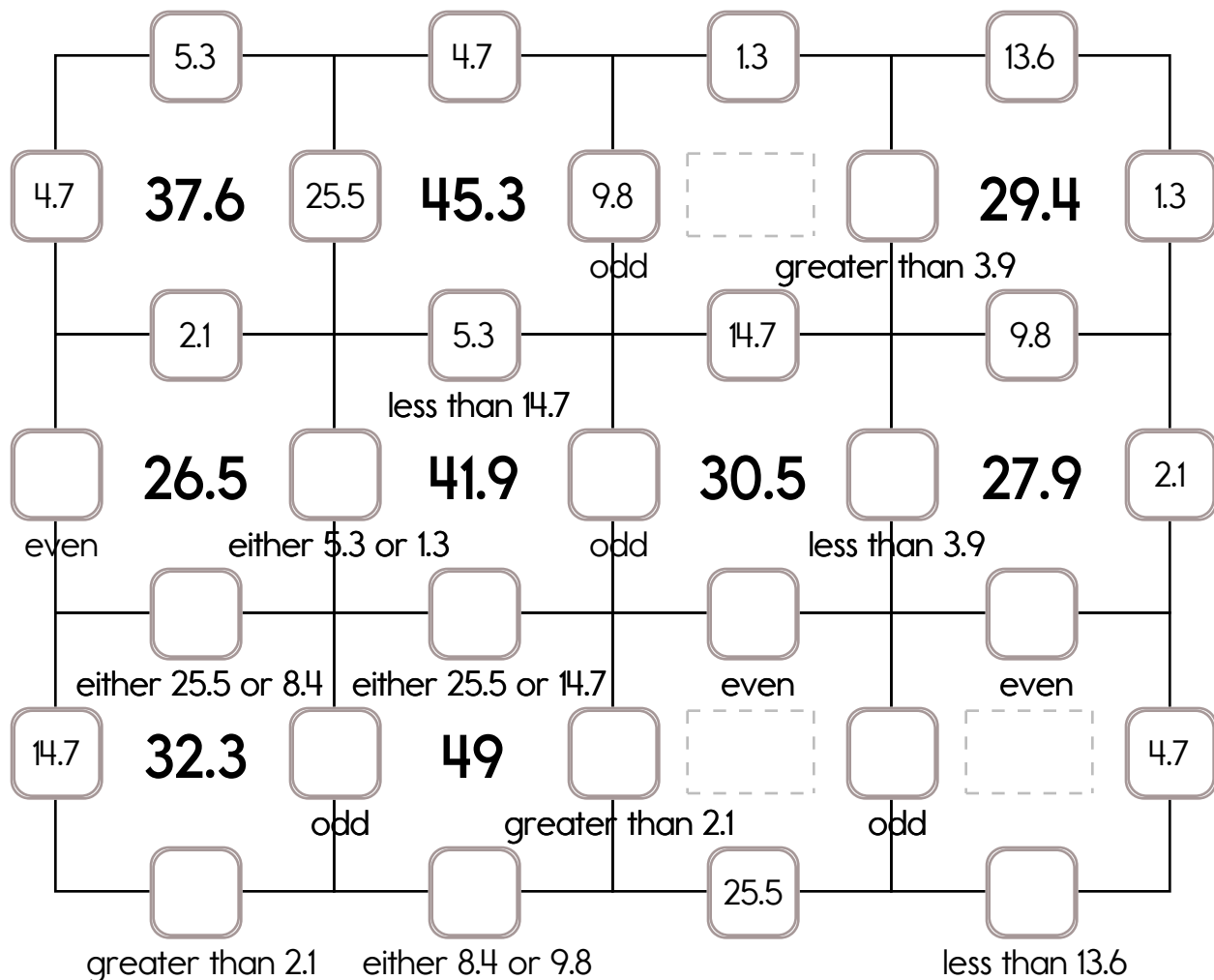
Example:
9.8 + 8.4 + 25.5 + 3.9 = 47.6

Example:
5.3 + 14.7 + 3.9 + 2.1 = 26

Sample:

	25.5		14.7		3.9	
9.8	**47.6** is the sum	8.4	**32.3** is the sum	5.3	**26** is the sum	14.7
	3.9		3.9		2.1	

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: 14.7, 25.5, or 13.6.
The other three numbers have to all be DIFFERENT and must be from these: 4.7, 1.3, 8.4, 3.9, 9.8, 2.1, or 5.3.**

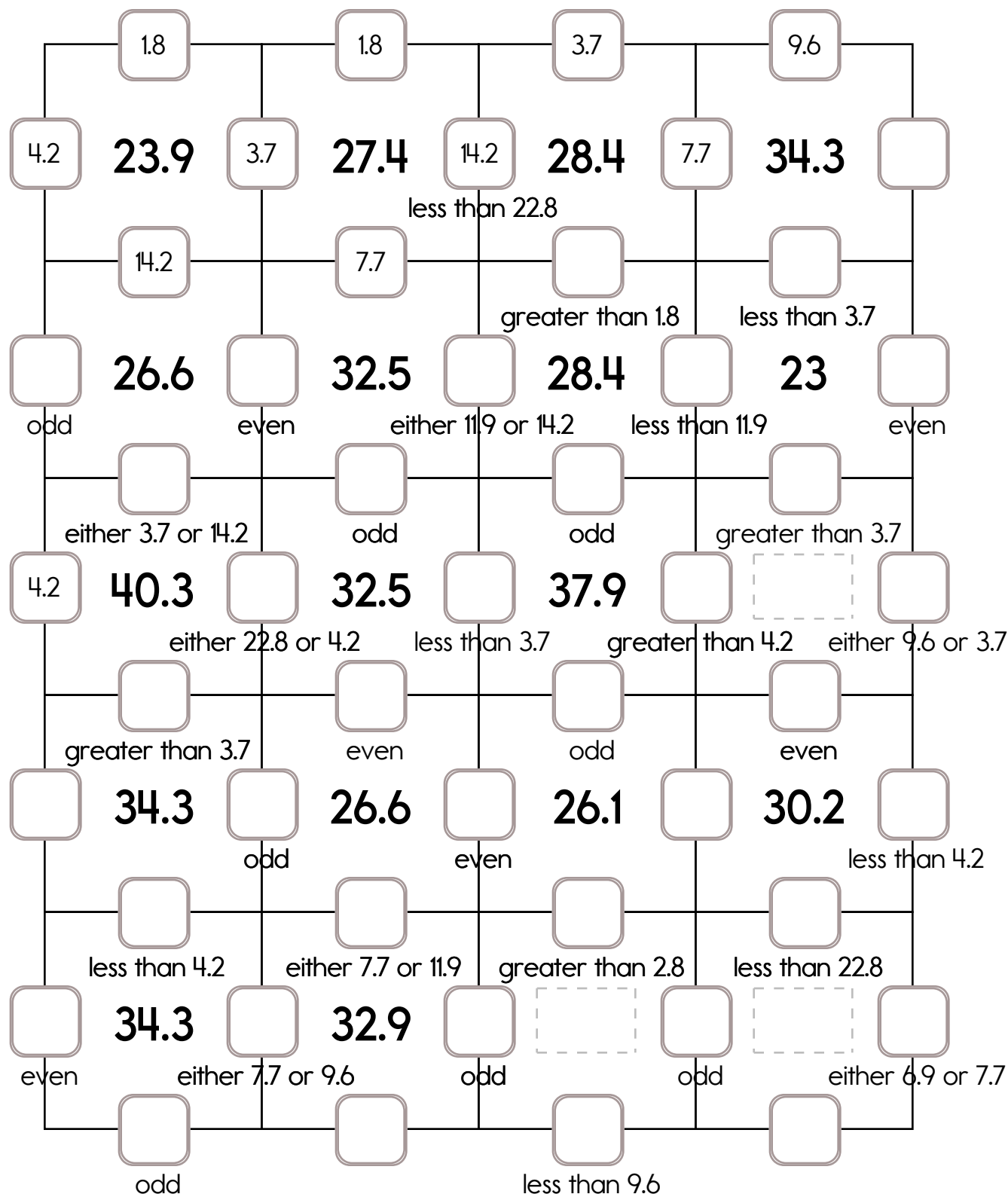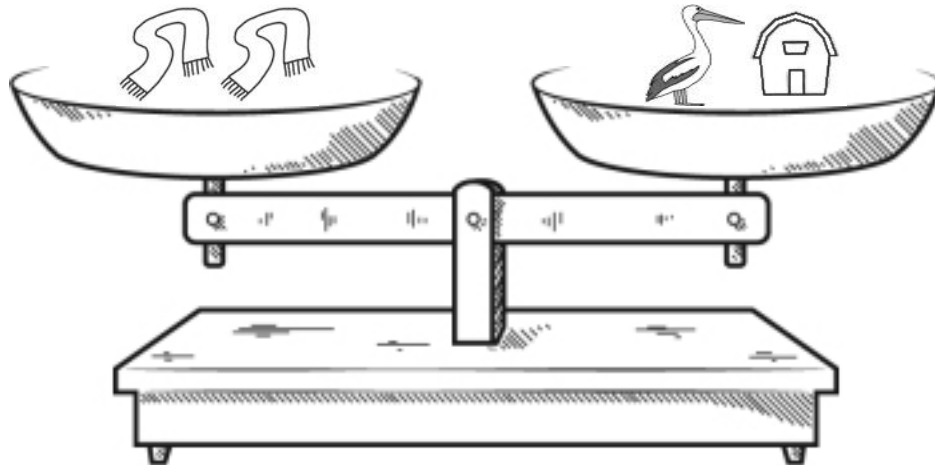|	5.3		4.7		1.3		13.6	
4.7	**37.6**	25.5	**45.3**	9.8	□ odd	□	**29.4** greater than 3.9	1.3
	2.1		5.3 less than 14.7		14.7		9.8	
□ even	**26.5**	□	**41.9** either 5.3 or 1.3	□	**30.5** odd	□	**27.9** less than 3.9	2.1
	□ either 25.5 or 8.4		□ either 25.5 or 14.7		□ even		□ even	
14.7	**32.3**	□	**49** odd	□ greater than 2.1	□	□ odd	□	4.7
	□ greater than 2.1		□ either 8.4 or 9.8		25.5		□ less than 13.6	

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: 22.8, 11.9, or 14.2.
The other three numbers have to all be DIFFERENT and must be from these: 4.2, 9.6,
1.8, 3.7, 7.7, 2.8, or 6.9.

	1.8		1.8		3.7		9.6	
4.2	**23.9**	3.7	**27.4**	14.2	**28.4**	7.7	**34.3**	
	14.2		7.7		less than 22.8			
					greater than 1.8		less than 3.7	
	26.6		**32.5**		**28.4**		**23**	
odd		even		either 11.9 or 14.2		less than 11.9		even
	either 3.7 or 14.2		odd		odd		greater than 3.7	
4.2	**40.3**		**32.5**		**37.9**			
	either 22.8 or 4.2		less than 3.7		greater than 4.2		either 9.6 or 3.7	
	greater than 3.7		even		odd		even	
	34.3		**26.6**		**26.1**		**30.2**	
		odd		even				less than 4.2
	less than 4.2		either 7.7 or 11.9		greater than 2.8		less than 22.8	
	34.3		**32.9**					
even		either 7.7 or 9.6		odd		odd		either 6.9 or 7.7
	odd				less than 9.6			

Name: _____

It may help to give values to pictures.

🧣 = __8__   🦤 = __12__   🏠 = ____

You should only mark TRUE if you are absolutely sure it is correct!

🦤 🏠 > 🧣
True ☐   False ☐

🏠 = 🧣 🧣
True ☐   False ☐

🦤 🏠 △ △ = 🧣 🧣 △ △
True ☐   False ☐

🦤 🏠 △ △ > 🧣 🧣 △ △
True ☐   False ☐
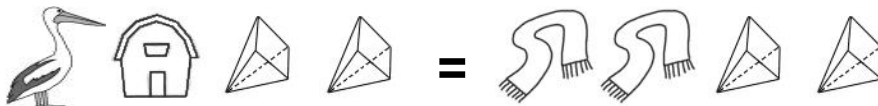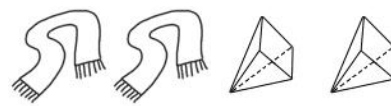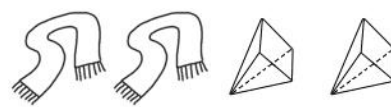
🦤 🏠 👻 👻 👻 = 🧣 🧣 👻
True ☐   False ☐

Did you find that two are true? If not, look again!

word root **cent** can mean **hundred**   centipede, century

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:
  A block with 1 space has to be the number 1.
  A block with 2 spaces must have the numbers 1 and 2.
  A block with 3 spaces must have the numbers 1, 2, and 3.
  A block with 4 spaces must have the numbers 1, 2, 3, and 4.

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

An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

3   4   2   5   1

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

An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

5   4   1   3   2

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

Hint - These numbers are missing:

4   2   1   4   5   2

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

Hint - These numbers are missing:

2   2   3   5   1   4   3

Name: _____

Each row, column, and box must have the numbers 1 through 6.

	6		1	3	4
2					
4			6		
			5		1
			4	6	

Each row, column, and box must have the numbers 1 through 6.

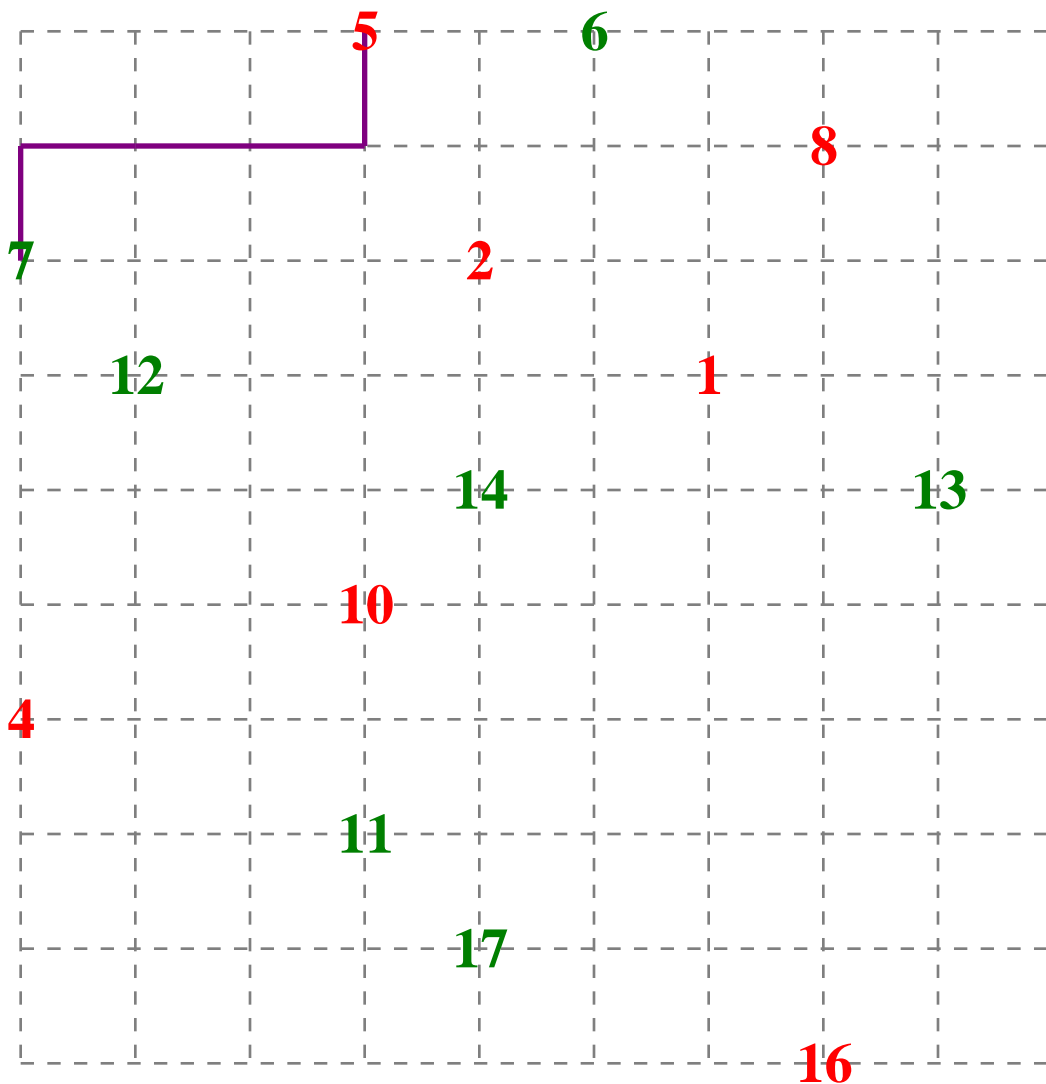|				2	5
					4
1		6			
4			3		
	2				
3					

Greater and Less Than Number Kissing

Start at a green number and draw a line to any red number that is less than the green number.

Draw a line that connects one number to one other number to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a number, that number cannot be used again.

One complete line has already been drawn for you.

5   6

8

7   2

12   1

14   13

10

4

11

17

16