

Name: \_\_\_\_\_

Ready to make equations? There is a missing equation in each box.  
Circle the numbers once you find it!

**A**

<b>23</b>	53	37
44	17	<b>5</b>
69	<b>28</b>	47
94	29	56

Find an addition fact.

**B**

67	<b>99</b>	94
88	16	73
30	9	49
95	60	26

Find an addition fact.

**C**

<b>33</b>	77	67
36	66	85
63	54	20
42	94	53

Find an addition fact.

Equations:

Write the equation facts you found.

<b>A</b>	<b>5</b>	<b>+</b>	<b>23</b>	<b>=</b>	<b>28</b>
<b>B</b>		<b>+</b>		<b>=</b>	<b>99</b>
<b>C</b>	<b>33</b>	<b>+</b>		<b>=</b>	

Can 972 be evenly divided by 6? Circle:

972 is NOT evenly divisible by 6

972 is evenly divisible by 6

$44,294 + 47,162 = \underline{\hspace{2cm}}$

How many ounces are in 7 pounds?

                     ounces

$24 \div 2 = \underline{\hspace{2cm}}$

$12 \times 6 = \underline{\hspace{2cm}}$

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Draw a line from START to END.

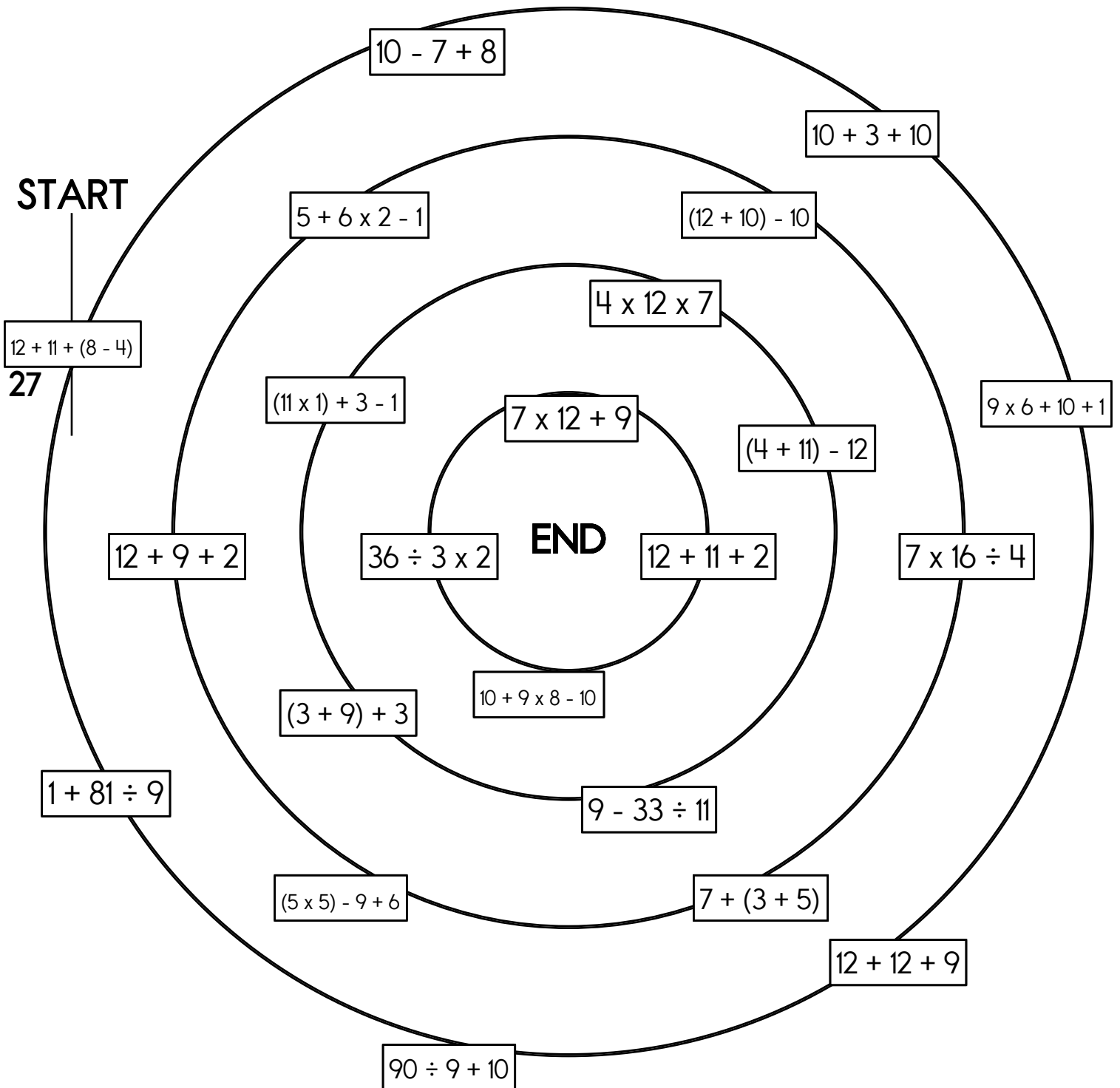
6

23

72

~~27~~

Cross out the number you use above and then write it below.



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The perimeter of a rectangle is 24 cm. The longer side is 9 cm. How long is the shorter side?

It was 70 degrees outside. What would the temperature be if it got 26 degrees colder?

Round the decimal 0.545 to the nearest hundredth.

What is the area of a rectangle with sides 2 cm and 11 cm?

Pick the family fact that is missing.

$$7 \times 15 = 105$$

$$105 \div 7 = 15$$

$$105 \div 15 = 7$$

What 5 coins add up to 56 cents?

It's 11:00 a.m. Jenna has soccer practice today. If practice starts at 2:20 p.m., then how much longer until soccer starts?

G, K, H, M, I, O, \_\_\_\_\_,

Q, K, S

$(0.6)(0.14)$

$$7 + 11 \times 2 - 6 - 3$$

$$|-15| - b = 18$$

$$b =$$

$$5 \times 5 \times 5 \times 5 \times 5 = x^5$$

What is the value of x?

Simplify.

$$\frac{60}{100} =$$

$$|-12| + m = 18$$

$$m =$$

$$(9 + 16) + 3 = 2(v + 9)$$

What is the value of v?

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$\begin{array}{r} 476 \\ - 321 \\ \hline \end{array}$	Rewrite these in increasing order of length: 24 dm, 545 m, 571 km, 710 cm	$12 \div 3 = \underline{\hspace{2cm}}$
---	--	--

Holly got a new soccer shirt. Can you guess the number on the back of her shirt?  It has two digits. The digits add up to 10. The larger digit is 4 more than the smaller digit. The number is odd.	1 km = 1,000 m 7 km = _____ m	22 kg = _____ g
	$\begin{array}{r} 52 \\ - 15 \\ \hline \end{array}$	$12 \times 5 =$
		$40 \div 5 =$

$9,197 - 1,354 = \underline{\hspace{2cm}}$	You cannot decide what pizza store to go to. Anna's pizza cuts their pizza into 6 slices. Each slice costs \$3 each. Maria's pizza cuts their pizza into 5 slices. Each slice costs \$5 each. If you like each pizza the same, which pizza store has the better buy?
$11 \times 5 = \underline{\hspace{2cm}}$	

What time is 15 hours after 3:00 p.m.  _____	$\begin{array}{r} 37 \\ + 32 \\ \hline \end{array}$	$10 \times 3 = \underline{\hspace{2cm}}$	$\begin{array}{r} 452 \\ + 310 \\ \hline \end{array}$
--	---	--	---

$60 \div 5 = \underline{\hspace{2cm}}$
--

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### Sudoku Sums of 6

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 6.

Here is an example of a sudoku sum of 6:



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

$2 \times 3 = \underline{\hspace{2cm}}$

$2 \times 6 = \underline{\hspace{2cm}}$

$36 \div 4 = \underline{\hspace{2cm}}$

$3 \times 11 = \underline{\hspace{2cm}}$

Emma rolls a die. What is the chance of her rolling a 4?

\_\_\_\_\_

$(8 + 5) + 8 = \underline{\hspace{2cm}}$

$8 \times 11 = \underline{\hspace{2cm}}$

Write the numbers 20 to 45 on a sheet of paper.  
How many of these numbers are divisible by 7?

\_\_\_\_\_

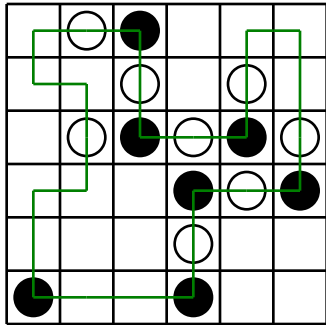
Write an equation to represent this:  
The sum of eight and ten is eighteen.

\_\_\_\_\_

$38,459 + 35,413 = \underline{\hspace{2cm}}$

$64 \div 8 = \underline{\hspace{2cm}}$

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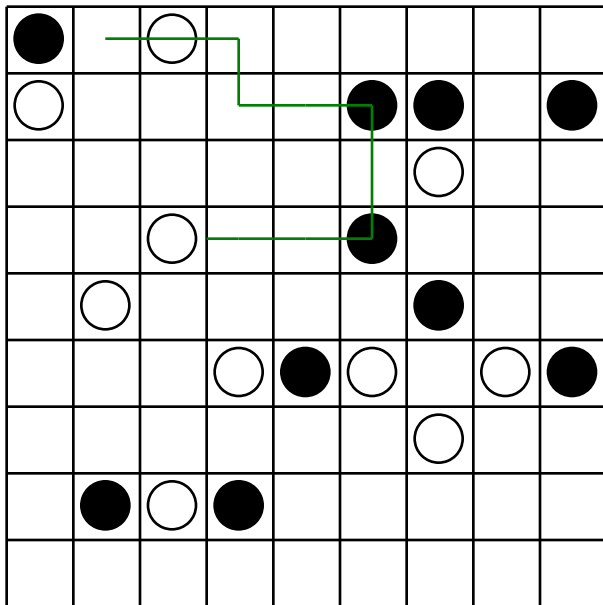


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

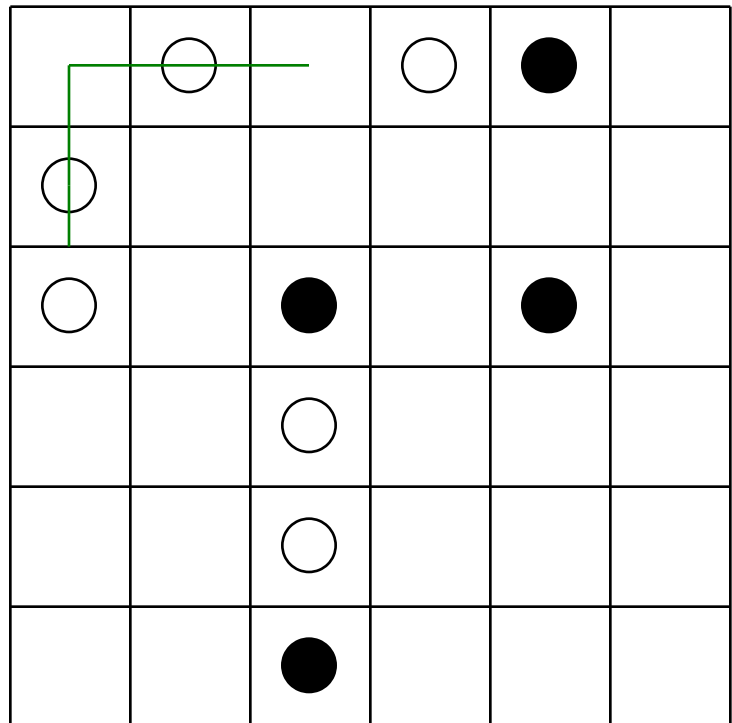
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



$6 \times 5 =$

$6 \times 11 =$  \_\_\_\_\_

Can 350 be evenly divided by 4? Circle:

350 is evenly divisible by 4

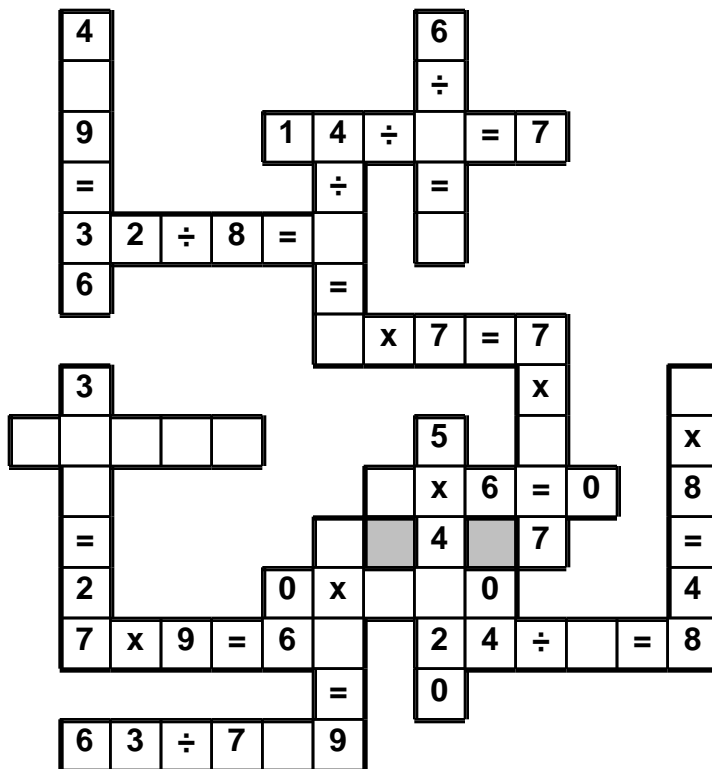
350 is NOT evenly divisible by 4

$845 - 533 =$  \_\_\_\_\_

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

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



Circle the addition property for  $51 + 89 = 89 + 51$ .  
 associative property  
 commutative property

Megan took three numbers greater than 1 and multiplied them. One number was seven and the other number was sixteen. Of course, she forgot the last number, but she remembered the product was 560. Is this possible?

$36 \div 3 =$  \_\_\_\_\_

$297 - 147 =$  \_\_\_\_\_

$22,113 - 15,998 =$  \_\_\_\_\_

What number is halfway between 5 and 15?

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Fraction	Percentage
$\frac{60}{100}$	60%
$\frac{85}{100}$	
$\frac{15}{100}$	
	55%

Decimal	Percentage
0.5	
0.06	
	40%
0.87	
0.76	
	8%

Decimal	Fraction
0.9	
0.16	
0.64	
0.23	

Percentage	Decimal
40%	
	0.29
77%	
	0.03
45%	
7%	

Reduce  $\frac{24}{34}$  to its lowest terms.

Write the decimal number for:  
fifty-two thousandths

Find the difference between 593 and 34.



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

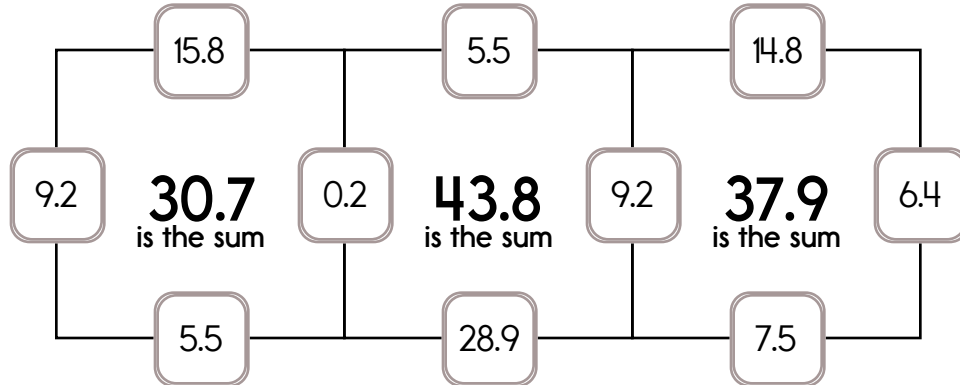
Example:

$$9.2 + 0.2 + 15.8 + 5.5 = 30.7$$

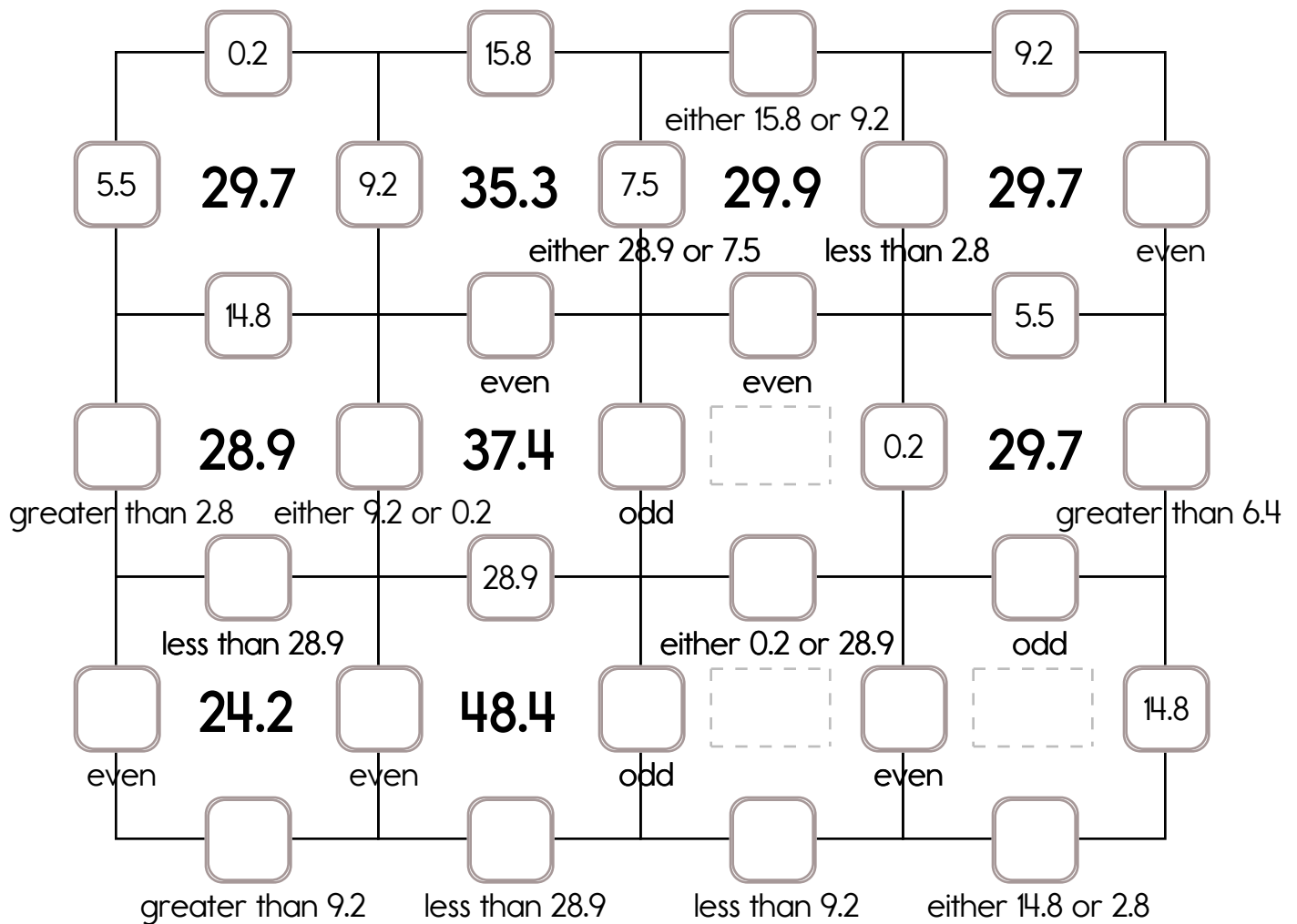
Example:

$$9.2 + 6.4 + 14.8 + 7.5 = 37.9$$

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: 14.8, 28.9, or 15.8. The other three numbers have to all be DIFFERENT and must be from these: 5.5, 0.2, 2.8, 6.4, 7.5, or 9.2.

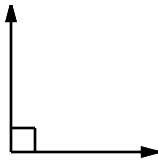


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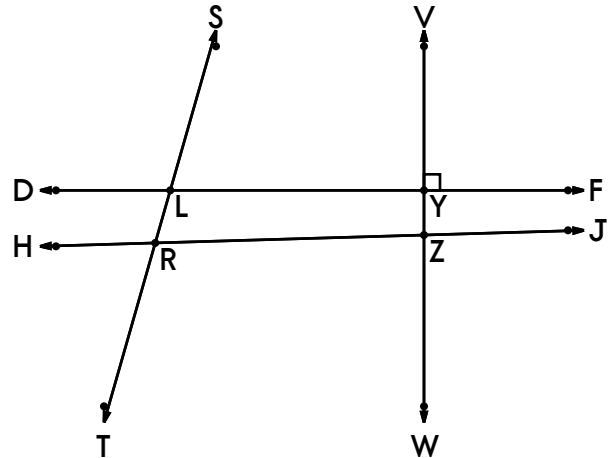
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 17.4, 12.8, or 25.4. The other three numbers have to all be DIFFERENT and must be from these: 4.5, 3.1, 7.5, 6.6, 8.1, or 0.6.

	8.1		4.5						
			even		greater than 4.5		either 25.4 or 0.6		
0.6	<b>28.1</b>	12.8	<b>28.5</b>	8.1	<b>32.7</b>		<b>29.2</b>	3.1	
						less than 25.4			
	6.6						8.1		
			greater than 0.6		either 17.4 or 0.6				
			<b>44.1</b>		<b>41.6</b>		<b>40.7</b>		
			even		even		either 25.4 or 3.1	less than 8.1	
			either 4.5 or 0.6		less than 12.8		greater than 0.6	either 0.6 or 8.1	
	<b>30.6</b>		<b>30</b>		<b>32.9</b>		<b>40.7</b>	6.6	
			odd		greater than 3.1		even		
			even		less than 8.1			greater than 3.1	
	<b>38</b>		<b>35.7</b>		<b>23.1</b>		<b>43.2</b>		
			odd				even		
			less than 17.4			even		less than 4.5	
	<b>24</b>		<b>39.6</b>						
			less than 17.4		either 3.1 or 0.6		either 6.6 or 25.4		either 4.5 or 0.6
			even		greater than 3.1				

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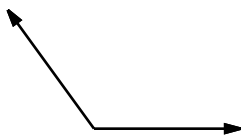
What kind of angle is this?



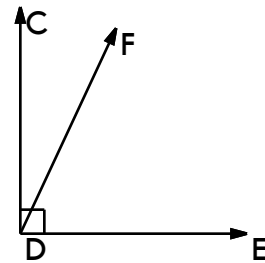
Name 2 lines which include point R.

Name 3 angles.

Name 3 rays.



What kind of angle is this?



What kind of angle is  $\angle CDF$ ?

Sketch an acute angle  
named  $\angle FGH$ .

An angle measures  $132^\circ$ .  
What would you call this  
angle?

Write the angle that is  
the supplement of  $168^\circ$ .

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7783 is how much more than 3801?

Find the difference between 557 and 64.

$$\begin{array}{r} 7,835 \\ - 728 \\ \hline \end{array}$$

What number is 198 less than 370?

$$\begin{array}{r} 7 \\ 6 \\ 6 \\ + 4 \\ \hline \end{array}$$

$$8 + 6 + 8 =$$

$$9 \overline{) 351}$$

$$\begin{array}{r} 142 \\ \times 24 \\ \hline \end{array}$$

$$8 \overline{) 320}$$

$$2 \overline{) 38}$$

$$3 \overline{) 9381}$$

$$40 \overline{) 8160}$$

Divide and write remainder.

Divide and write remainder.





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### Can you guess the word?

No duplicate letters can be used.

**F** O R M A L

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

O **Y** S T E R

The letter Y is in the word,  
but Y 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.

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

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

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

Hint: There are no duplicate letters in the answer.

I	M	P	O	R	T
C	O	M	P	E	L

A B D F G H J K N Q S U V W X Y Z

\_\_\_\_\_

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

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

Hint: There are no duplicate letters in the answer.

P	L	U	N	G	E
S	Y	M	B	O	L
F	O	R	M	A	L

C D H I J K Q T V W X Z

\_\_\_\_\_

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

M L V L N M O V R M S S N P T C E A R  
 R U R U P L R B T L O Y A X L O L M O  
 X R T T Y P L I P Y A R M S P U M O P  
 A I L M A O S L T E L G T B P H N A B  
 Z T R W A Z T G O T L T Q A O R Z G P  
 L L O A T L R S Z P S N V S L L S Y E

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### What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues.  
Put the clues together and solve the mystery of what is in the box.

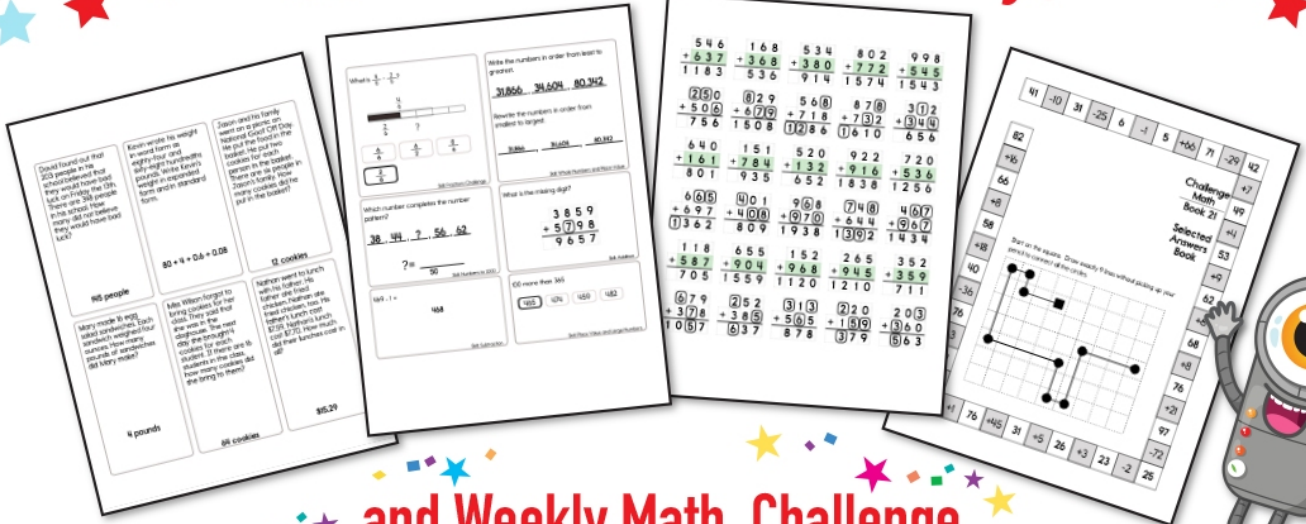
- A =fortunate
- B =roast
- D =bleach
- E =fine
- H =gusty
- I =agony
- L =pray
- N =pastry
- O =live
- R =belch
- S =lance
- T =slope
- U =alarm
- W =grouchy
- Y =confess

- Clue 1: slant burp dandy lucky spear panic burp dandy  
 t   r  \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
- Clue 2: spear windy pain pie admit  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
- Clue 3: grumpy dandy lucky worship slant windy  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
- Clue 4: burp lucky pain pie bake dwell grumpy  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
- Clue 5: dandy pie whiten  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

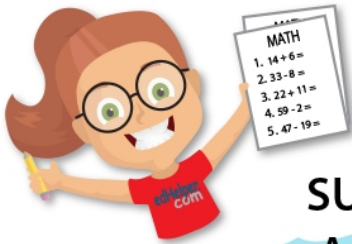
### What's in the Box? \_\_\_\_\_

$14 \div 2 = \underline{\hspace{2cm}}$	<p>The letters F, G, J, L, N, P, Q, R, S, and Z do not have line symmetry. The rest of the letters in the alphabet do. Can you write someone's name where the complete name has line symmetry? Hint: You cannot use all of the letters. You could use B in a name, but M would not work.</p>	$8 \times 4 = \underline{\hspace{2cm}}$
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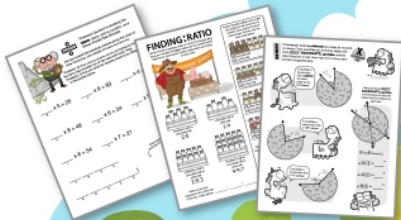
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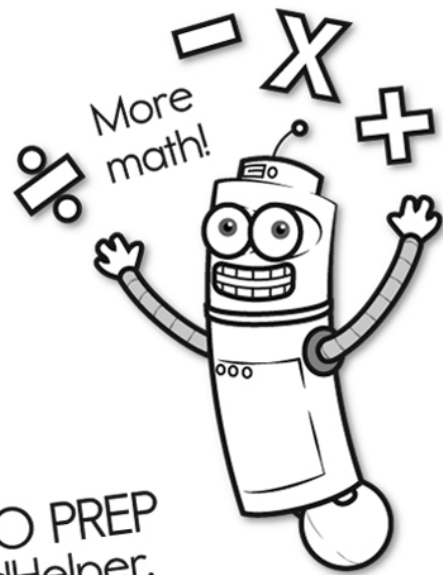
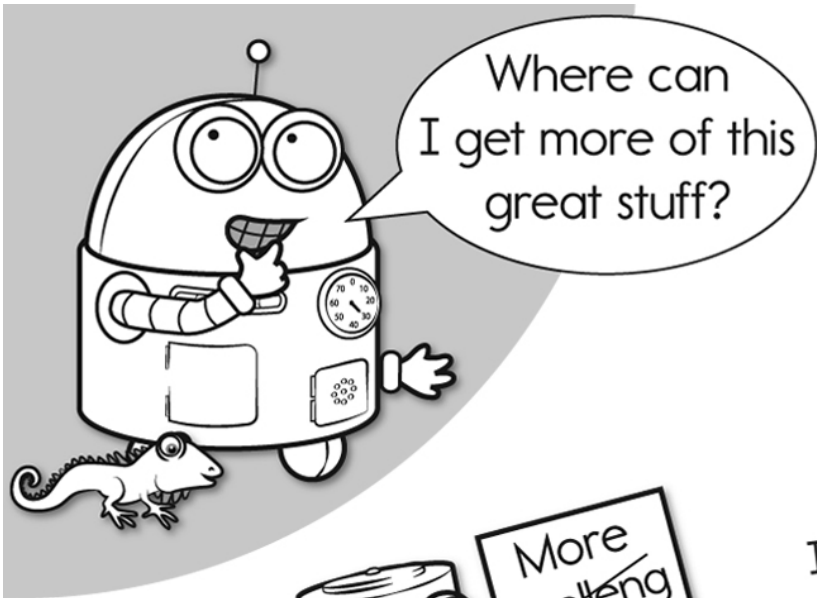


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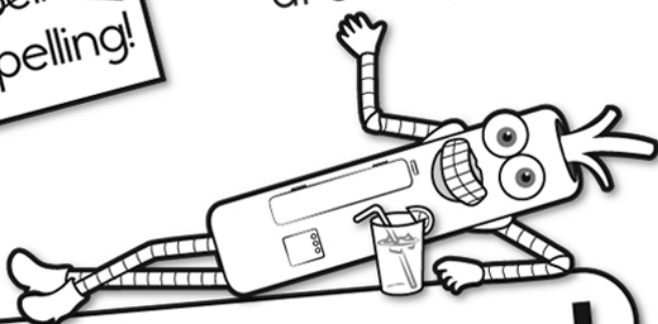
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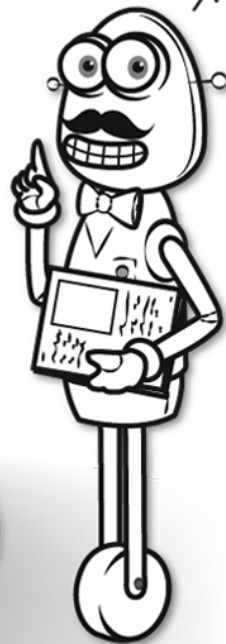


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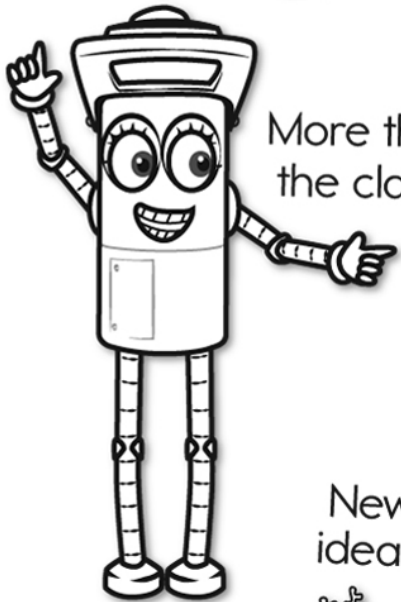
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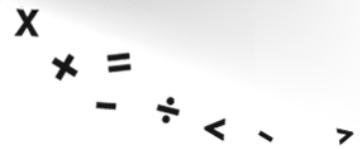
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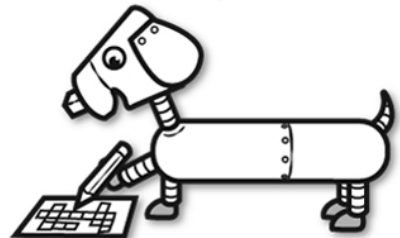
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