

Name: _____

$23\frac{8}{10}$	+44		-6			+23		$+4\frac{1}{3}$
				$-\frac{1}{3}$		$-5\frac{2}{4}$		
	$-\frac{3}{4}$		$-3\frac{9}{10}$					-11
+32						$+\frac{5}{10}$	$+\frac{3}{4}$	
$+\frac{2}{3}$		+17	$106\frac{29}{60}$	-1		+52	$+\frac{4}{10}$	$169\frac{29}{30}$

$63\frac{1}{2}$	+2		+12			$-3\frac{2}{3}$		-4
				$-\frac{1}{2}$		+37		
	+36		$-7\frac{1}{2}$			$72\frac{5}{12}$		$+5\frac{1}{3}$
$+\frac{2}{3}$						$+\frac{1}{2}$	$+\frac{2}{4}$	
	-52	$54\frac{1}{6}$	+18	$72\frac{1}{6}$	$-\frac{1}{4}$		$107\frac{7}{12}$	

Name: _____

Draw a line to match each problem with the same answer.

24% of 175



38% of 50

40% of 65



52% of 50

25% of 180



45% of 100

60% of 145



55% of 80

12% of 75



18% of 50

87% of 100



44% of 100

28% of 150



20% of 95

30% of 90



54% of 50

$$7 - 5.6 =$$

$$\begin{array}{r} 2.3 \\ 11.6 \\ +19.9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.92 \\ -0.671 \\ \hline \end{array}$$

$$12 + 70 \div 7$$

How many minutes is it from 9:00 a.m. to 10:15 a.m.?

Round the decimal 0.535 to the nearest hundredth.

11, _____, 15, 17, 19, 21, 23

Yummy Donuts gave three dozen chocolate donuts and five dozen jelly donuts to the school. How many donuts did they give?

Know how many inches in a foot? Okay, smarty pants, how many inches in 4 feet?

$$6 + 12 - 9 + 3$$

43, _____, 55, 61, 67, 73, 79, 85

A rectangle is 44 cm on one side and 12 cm on another side. What is the perimeter?

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 7 in your head

multiply 4

double it

Write the tens digit.

 A

imagine 9 in your head

double it

subtract 9

subtract 8

Write the number.

 B

imagine 8 in your head

add 2

subtract 6

add 6

add 1

Add the tens digit to the ones digit.

Write the sum.

 C

imagine 6 in your head

multiply 9

double it

subtract 6

add 4

Write the tens digit.

 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?

_____ t _____

5 before 11 _____

8 after 14 _____

4 before 17 _____

7 before 18 _____

9 after 16 _____

3 before 12 _____

2 before 13 _____

7 after 15 _____

8 before 15 _____

1 before 19 _____

6 after 11 _____

9 before 14 _____

Name: _____

<p>The Midtown Thrift Shop had total sales of \$417.25. Of that amount, \$252.38 was for clothing. How much of the total sales was not for clothing?</p>	<p>Three pounds of chocolates in a special tin costs \$25.95. The store will gift wrap the tin for \$3.95. The cost to ship the candy is \$0.15 per ounce. How much is the total cost to buy the candy, have it gift wrapped, and shipped?</p>	<p>Hunter knows that his teacher loves birds. He is building a birdhouse for her for Teacher Appreciation Week. He started working on the birdhouse at 2:44 p.m. Saturday afternoon. He worked until it was all finished at 4:13 p.m. that evening. How long did Hunter work on the birdhouse?</p>
--	--	--

<p>Maria rolls a die. What is the chance of her rolling a 4?</p> <p>_____</p>	<p>$77,283 - 54,575 =$ _____</p>
---	---

<p>The boys in your class each were given a ticket with a number on it. The numbers given out were: 4, 16, 13, 15, 17, 35, and 36. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 3?</p>	<p>Can 684 be evenly divided by 6? Circle: 684 is evenly divisible by 6 684 is NOT evenly divisible by 6</p>
---	--



<p>How many feet are in 9 yards?</p> <p>_____ feet</p>	<p>$3 \times 12 =$ _____</p>	$\begin{array}{r} 806 \\ - 579 \\ \hline \end{array}$
<p>$60 \div 5 =$ _____</p>		

Name: _____

$45 \div 5 = \underline{\hspace{2cm}}$	1 km = 1,000 m 7 km = _____ m	$8 \times 4 = \underline{\hspace{2cm}}$
--	----------------------------------	---

$10 \times 10 = \underline{\hspace{2cm}}$	$\begin{array}{r} 75 \\ - 36 \\ \hline \end{array}$	Rewrite these in increasing order of length: 476 km, 9 m, 51 dm
---	---	--

Circle the addition property for $38 + 174 = 174 + 38$. associative property commutative property	$\begin{array}{r} 30 \\ + 40 \\ \hline \end{array}$	Anne likes to change numbers into a secret letter form. Anne changed the number 329 to GGG. Anne changed the number 66 to GG. Anne changed the number 641,323 to GGGGGG. Anne changed the number 22,122 to GGGGG. How do you think she would change the number 6,923? _____
$8 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$		

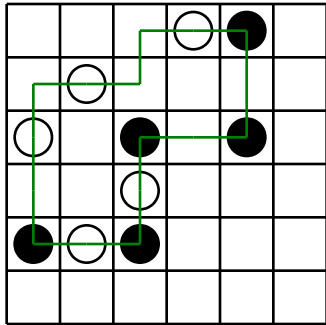
$654 - 387 = \underline{\hspace{2cm}}$	Circle the greatest number: 596,743 13,428,679,052 297,864,530 8,514,670,293
--	--

Which is the better buy? Nine bags of candy for \$45 or five bags of candy for \$40?	$\begin{array}{r} 319 \\ + 252 \\ \hline \end{array}$	$50 \div 5 = \underline{\hspace{2cm}}$
--	---	--



$3 \times 6 = \underline{\hspace{2cm}}$	$6 \times 4 = \underline{\hspace{2cm}}$	$6 \times 10 = \underline{\hspace{2cm}}$
---	---	--

Name: _____

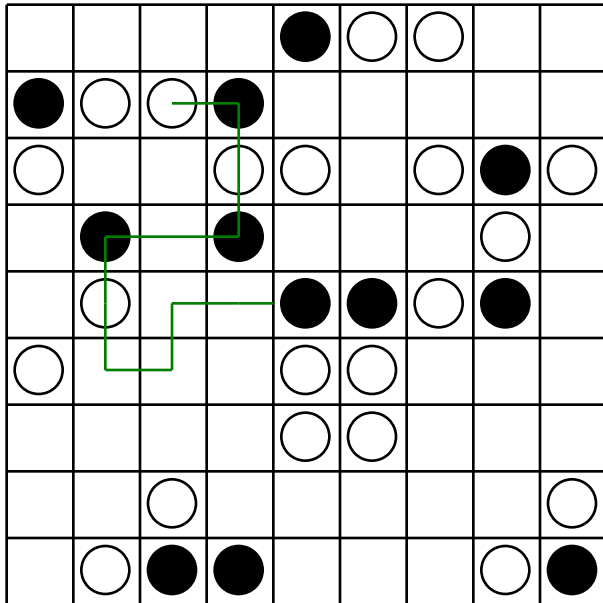


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

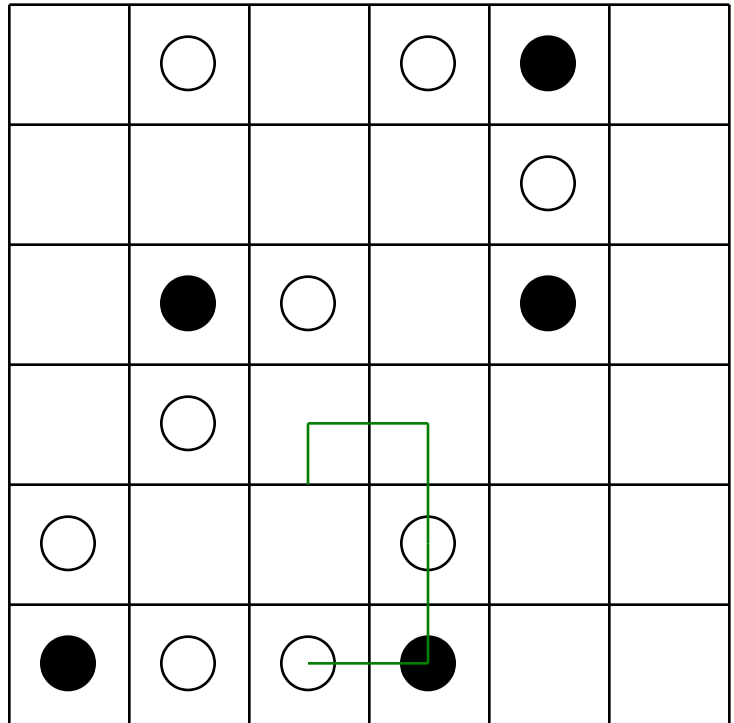
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



$219 + 142 =$ _____



Circle the smallest number:

9,650,820,693

45,717,125

384,096,804

734,821

$18 \div 6 =$ _____

Write the missing family fact.

$11 \times 26 = 286$

$26 \times 11 = 286$

$286 \div 11 = 26$

$33 \div 11 =$

word root **pugn** can mean **fight**

pugilist, pugilism

Name: _____

4 • x • 3 • 0 • 2 • 8 • 8 • 6 • 2 • = • 8 • 4 • ÷ • 2 • = • 4
0 • = • 2 • 4

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

			5		÷	9	=	6	
			6		÷	7	=	9	
0	x	8	=					x	
			3		÷		=	4	
			0			÷		=	
				2		1			3
4				x	7	=	5		
x		0						8	
1	5	÷	3			5			
=		1		4					
		2			4		2	=	
			x	1	2			0	
							8	÷	
								=	7

$(8 + 4) + 2 =$

$14 \div 2 =$ _____

Amy and her little sister, Sarah, both have birthdays on the same day. Amy is nine years old. Sarah is six years old. Did you know that Amy was once double the age of Sarah? How many years ago was that?

What number is halfway between 30 and 39?

Circle the digit in the hundredths place.

9,961.9939

$7,782 - 4,341 =$ _____

$5 \times 3 =$ _____



Name: _____

Savannah, Kaylee, and Devin are competing in the Olympics. They are each from a different country (Jamaica, South Africa, and Sweden), and they are also each competing in a different event (snowboarding, speed skating, and luge).

Figure out the country each person is from and the event he or she is competing in. (Assume that each hint refers to one of the three people. For example, if Savannah has lunch with someone she met from another country, then assume that this person is among one of the three people).

1. The person competing in the snowboarding event is from Europe. This is her third time to represent her country at the games.
2. Kaylee had lunch with someone she met. The person she met is competing in the luge event.
3. The person competing in the luge event is from Africa. This is her first time to represent her country at the games.
4. Though Devin has never been to South Africa, he would like to visit.
5. The person from Jamaica and his friend invited the person from Sweden to dinner. The person from Sweden thought it was a great idea, and she gladly accepted.

9% of 100 is 9.
 9% of 200 is 18.
 9% of 500 is 45.
 What is 9% of 800?

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

five hundred eighty-two thousand, three
 hundred twenty-seven

$6 \times 10 =$

$18 \div 9 =$ _____

Name: _____

$5 \cdot 6 \cdot 1 \cdot = \cdot 9 \cdot 1 \cdot 4 \cdot 4 \cdot 7 \cdot 6 \cdot \div \cdot 9 \cdot \div \cdot 2 \cdot 0 \cdot =$ $8 \cdot 9 \cdot = \cdot 4$
--

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

		\div	7	=	8					
x										
7										
=										
3	6	\div	6		6					
5										
		=	x							
		2	\div	=						
		+								
		5								
		=	4							
		2								
				0	5					
			1	\div	=	9				
				6						
				1						
				4						
7	-		=	3	+	0				

$|-10| + y = 13$
 $y =$

$y = x + 18$
 $y = 28$
What is the value of x?

$12 + 11 \div 11$

Find the least common denominator for the fractions $\frac{14}{18}$ and $\frac{1}{30}$.

Rewrite as an algebraic expression or equation.
Add j to the product of 9 and 8

A circle graph has four sections. Only three sections are labeled. The labels are 56%, 7%, and 12%. What should the missing section be?

Name: _____

In 5 years, Jenna will be two-thirds of Amanda's age. Right now the sum of the ages of Amanda and Jenna is 35 years. How old is Amanda now?

Use any of these digits. Cross off a digit after you use it. You do not need to use all of the numbers.

7 1 5 0 0 2 7 3

Use the digits to make a 2-digit minus 2-digit subtraction equation. The difference between your numbers should be 27.

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.

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

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

4 2 1 3

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

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 4 3 2

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

Hint - These numbers are missing:

4 1 2 3 2 2 2 4

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

Hint - These numbers are missing:

4 4 3 3 3 3 4 4

If $y = -4$ and $n = 47$ then what is $12y - 11n - 3n = ?$

$\frac{1}{776}, \frac{1}{1296}, \frac{1}{216}, \frac{1}{36},$
_____, (1), (6), (36),
(216)

Each side of a regular pentagon is 65.5 centimeters. What is the perimeter?

Name: _____

Fill in the missing numbers.

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

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

Hint - These numbers are missing:

2 2 1 4
4 1 1 2

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

Hint - These numbers are missing:

1 4 1 1 4 1
2 2 2 2 2

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

Hint - These numbers are missing:

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

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

Hint - These numbers are missing:

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

Name: _____

	+		x		=
	B	C	C		21
+	B	C	B		25
+	B	C	?		41
=					
	15	12	18		

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$B + C \times C = 21$ $B + C \times B = \underline{\quad}$ $\underline{\quad} + \underline{\quad} + \underline{\quad} = 12$

$\underline{\quad} + \underline{\quad} + \underline{\quad} = 15$

Additional hints:

$A = C + 5$ $A > 4$

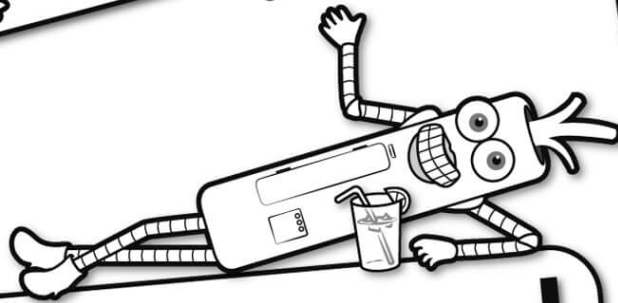
Show Work:

Solve:

$? = \underline{\quad}$



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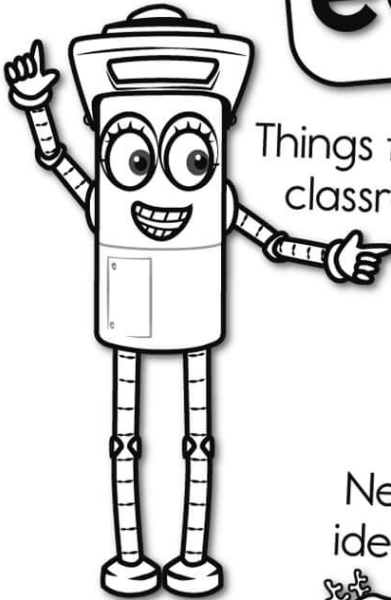
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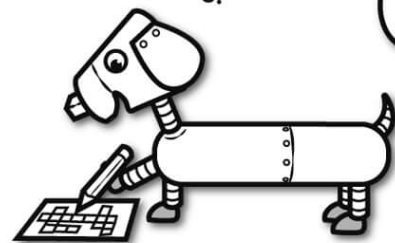
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