

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

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

58% of 150 ●

● 32% of 25

28% of 50 ●

● 48% of 25

25% of 80 ●

● 20% of 40

24% of 175 ●

● 76% of 25

55% of 60 ●

● 20% of 165

38% of 50 ●

● 25% of 56

50% of 40 ●

● 87% of 100

21% of 200 ●

● 12% of 100

$$y = x + 13$$

$$y = 20$$

What is the value of x?

$$0.9 \times 0.2$$

Circle the percentage that is closest to 12 out of 59:

5%

89%

68%

What is the prime factorization of 6?

Rewrite as an algebraic expression or equation.

The quotient of 40 and 8 is t.

Jenna told the class that they should drink about 1.88 liters of water per day. There are 17 kids in the class, including Jenna. They will all try to do that. How much water will the class drink in a day?

$$9 + (44 \div 4) - 54 \div 9 =$$

$$8.1149 \times 10^3 =$$

$$0.14 \cdot 3 =$$

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Complete each pattern, using the same rule. Write what the rule is.

F, J, G, K, H, L, I, M, \_\_\_\_, \_\_\_\_, K, O

\_\_\_\_, F, D, G, E, H, F, I, G, J

Complete each pattern, using the same rule. Write what the rule is.

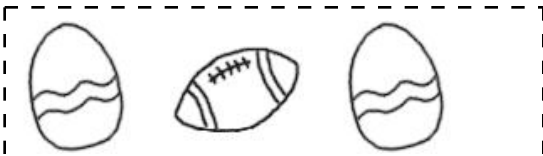
9, 27, 36, 108, 117, 351, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5, 15, 24, 72, 81, 243, 252, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

7, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 306

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

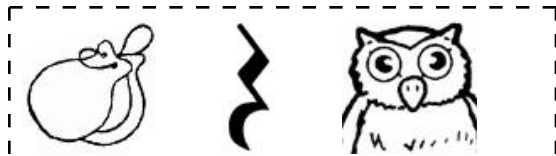
Draw 3 pictures in the correct order. Use each of the clues so you will know what to draw.



! Draw 1 of these 3 pictures.  
! The picture IS in the correct spot.



! Draw 1 of these 3 pictures.  
! The picture is NOT in the correct spot.

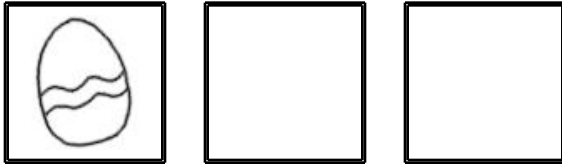


! Draw 1 of these 3 pictures.  
! The picture is NOT in the correct spot.

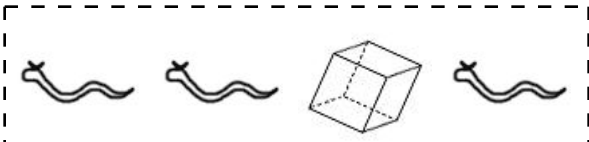


! Draw 2 of these 3 pictures.  
! The pictures to use are in the correct spot.

Draw the 3 pictures in the correct order:



Draw 4 pictures in the correct order. Use each of the clues so you will know what to draw.



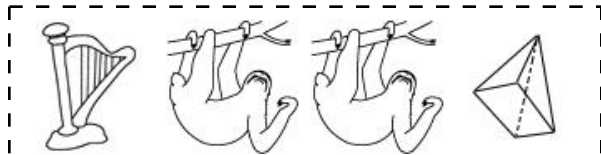
! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.



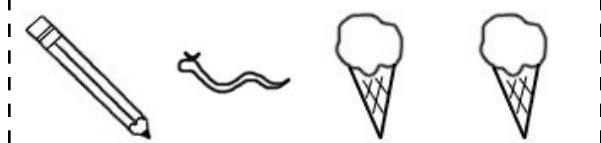
! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.



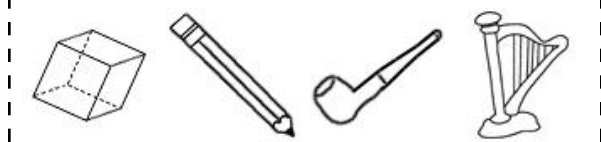
! Draw 1 of these 4 pictures.  
! The picture is NOT in the correct spot.



! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.

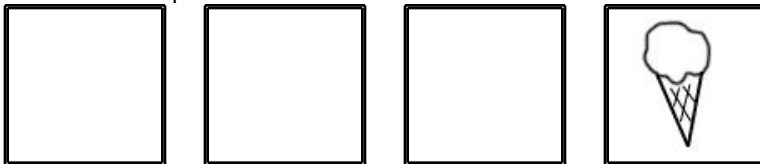


! Draw 2 of these 4 pictures.  
! 1 of those pictures is in the correct spot.























! Draw 1 of these 4 pictures.  
! The picture IS in the correct spot.

Draw the 4 pictures in the correct order:



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Puzzle:


8				8	28
					27
					23
			8		17
8	8				27
24	24	26	22	26	+


Work Area:


8				8	28
					27
					23
			8		17
8	8				27
24	24	26	22	26	+


The sum for each column and row is given.

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

What is the least common multiple of 7, 19, and 34?

What is the greatest common factor of 8 and 2?

What is the greatest common factor of 15 and 18?

Each side of a regular pentagon is 75.6 centimeters. What is the perimeter?

$p - \$58 = \$23$   
What is the value of  $p$ ?

$6 \times 6 \times 6 \times 6 \times 6 = x^5$   
What is the value of  $x$ ?

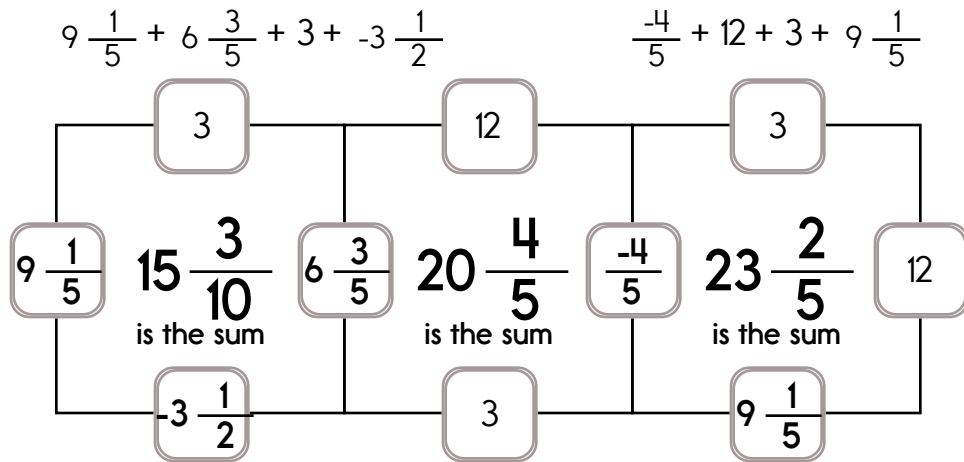
1 lb = 16 oz

24 lb = \_\_\_\_\_ oz

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

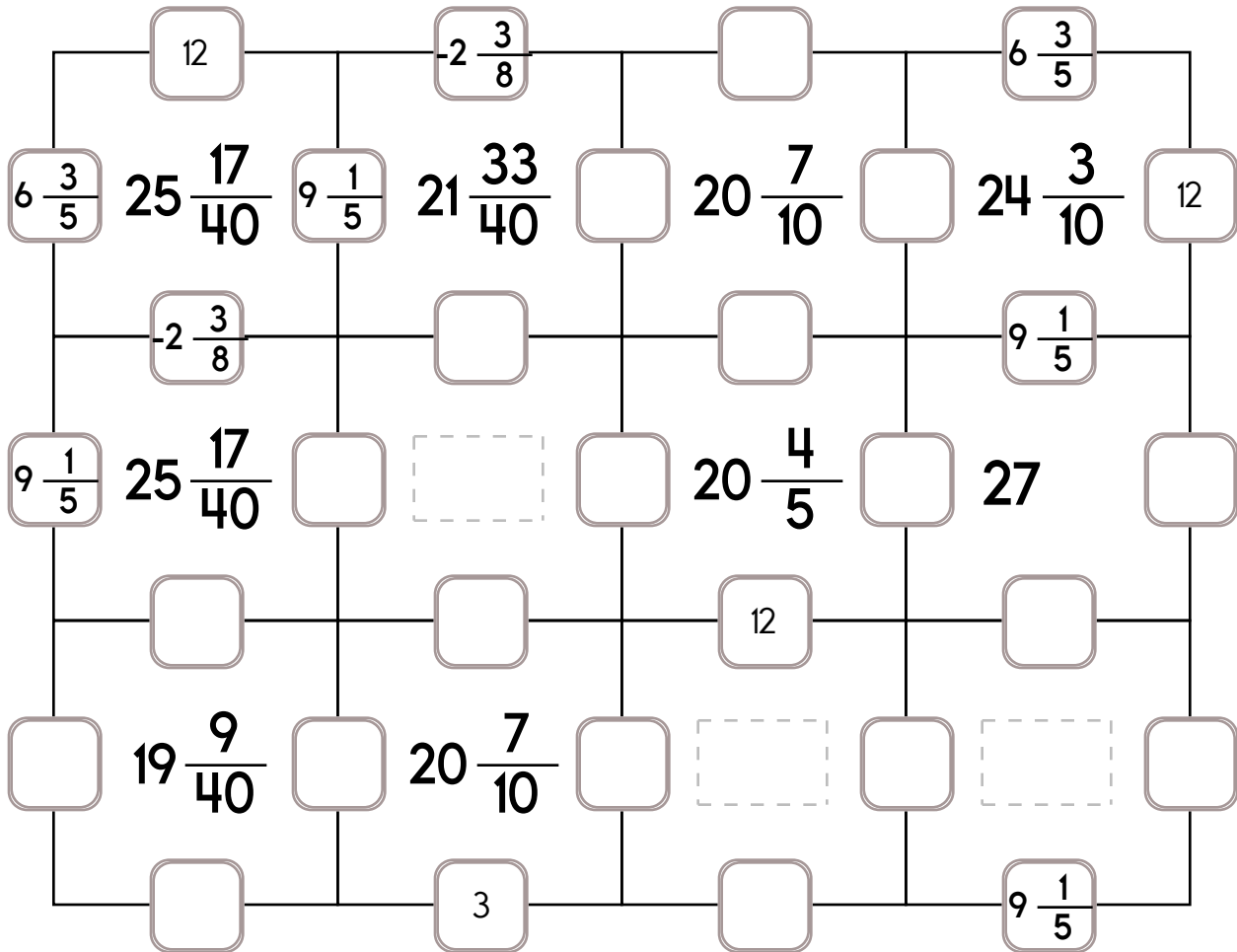
Sample:



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:  $-\frac{4}{5}$ ,  $-3\frac{1}{2}$ , or  $-2\frac{3}{8}$ .

The other three numbers have to all be DIFFERENT and must be from these:  $9\frac{1}{5}$ , 3,  $6\frac{3}{5}$ , or 12.



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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:  $-1\frac{3}{7}$ ,  $-3\frac{1}{7}$ , or  $-2\frac{1}{2}$ .

The other three numbers have to all be DIFFERENT and must be from these: 7,  $7\frac{5}{7}$ , 8, or  $7\frac{6}{7}$ .

	$-3\frac{1}{7}$		$7\frac{6}{7}$					
$7\frac{6}{7}$	$19\frac{3}{7}$	$7\frac{5}{7}$	$20\frac{1}{14}$	$-2\frac{1}{2}$	$20\frac{1}{14}$	$7\frac{6}{7}$	$21\frac{1}{14}$	
	7							
	$21\frac{3}{7}$		$21\frac{3}{7}$				$21\frac{1}{14}$	
	$19\frac{5}{7}$		$19\frac{5}{7}$		$19\frac{4}{7}$		$19\frac{3}{7}$	
	$21\frac{1}{7}$		$20\frac{1}{14}$		$21\frac{2}{7}$		$21\frac{2}{7}$	
	$19\frac{3}{7}$		$20\frac{5}{14}$					

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

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

3 4 1 2

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

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

3 1 2 4

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

Hint - These numbers are missing:

3 2 3 1 1 2 1

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

Hint - These numbers are missing:

4 3 1 1 1 4 1 2

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

Fill in the missing numbers.

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

Hint - These numbers are missing:

2 3 3 3 2  
2 4 2 2

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

Hint - These numbers are missing:

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

	1	2	
	4	3	
2		2	
	4	3	4
1			2

Hint - These numbers are missing:

2 1 1 1 3  
4 1 3 2

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

Hint - These numbers are missing:

4 3 1 1  
1 2 4 3

word root **hero** can mean **protect** **heroic**



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

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

The puzzle grid contains the following numbers and symbols in their respective cells:

- Row 1: 3, ÷, 6, =, 5
- Row 2: x
- Row 3: 0, +, =, 8, -, 1, =, 6, -
- Row 4: ÷, =
- Row 5: 7, x, 0, =, 0
- Row 6: 5, x, 9, =, 5, 4, +, 1
- Row 7: ÷, 8, +, =, 1
- Row 8: 8, -, =
- Row 9: 5, 4, 9, 6
- Row 10: =, 3, 6, ÷, 9, 4
- Row 11: 6, +
- Row 12: -, 2
- Row 13: 3

Find the difference between 487 and 150.

$$\begin{array}{r} 991 \\ - 243 \\ \hline \end{array}$$

$3 + 8 + 8 + 7 + 5 =$

$528 \div 10$

$0.4 \cdot 9 =$

If  $v = 5$  and  $d = -11$  then what is  $7v - 14d - 2d = ?$

$72 \div 6 = \underline{\hspace{2cm}}$

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Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.

Every row must contain the numbers 1, 2, 3, 4, and 5.

Every column must contain the numbers 1, 2, 3, 4, and 5.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

8+		11+		4+
	9+	4+		
8+			9+	2
	11+		8+	
	3			5

Fill in the blanks. These equations are from the puzzle above.

$$\underline{\quad} + \underline{\quad} + 5 = 8$$

$$\underline{\quad} + 2 + \underline{\quad} = 9$$

$$\underline{\quad} + 5 = 9$$

$$2 + \underline{\quad} + \underline{\quad} = 11$$

$$\underline{\quad} + 1 = 4$$

$$\underline{\quad} + \underline{\quad} + 4 = 11$$






$$\underline{\quad} + \underline{\quad} + 3 = 8$$

$$5 + \underline{\quad} + \underline{\quad} = 8$$

$$3 + \underline{\quad} = 4$$

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Draw ONE continuous line that touches every box ONCE.  
 Count by 4.4s. Find the box with the number 4. Move up, down, right, or left.  
 Keep counting until you reach 285.6. Do not move into a spot with a picture.

---	---		184.4		---	---
		---				202
		144.8				
100.8	8.4	-----				
	4	---	21.6			
92				241.6	281.2	
---	---			246	285.6	
74.4						
						

Anna rolls two dice. What is the chance of her rolling a 5 on one die and a 4 on the other die?

\_\_\_\_\_

$96,198 - 46,326 = \underline{\hspace{2cm}}$

$63 \div 9 =$

How many feet are in 48 inches?

\_\_\_\_\_ feet

$5 \times 10 = \underline{\hspace{2cm}}$

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**ACROSS**

- 1. 15-Down plus 19-Down
- 3. Three less than 19-Across
- 5. 27-Across plus 17-Across
- 6. Three times 10-Across
- 7. One-sixth of 15-Down
- 10. 14-Across plus 19-Across
- 11. Nine less than 9-Down
- 13. One-third of 19-Across
- 14. Three times 19-Across
- 17. Two more than 13-Across
- 18. 19-Across plus 16-Down
- 19. One-fifth of 15-Down
- 24. One less than 12-Down
- 27. One-fourth of 19-Across

**DOWN**

- 2. Five times 10-Across
- 4. Three times 11-Across
- 7. 21-Down plus 27-Across
- 8. Two more than 14-Across
- 9. Six less than 15-Down
- 12. 15-Down plus 18-Across
- 15. **Nickels in three dollars**
- 16. Eight less than 15-Down
- 18. Five more than 18-Across
- 19. Four times 8-Down
- 20. Three more than 18-Down
- 21. Nine more than 25-Down
- 22.  $4 + 18$
- 23.  $8 + 15$
- 25. One-fifth of 7-Across
- 26. One-sixth of 14-Across

