

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

Find the missing numbers. These both have the same rule. What is the rule?

If

$$1, 12 = 12$$

$$2, 17 = 34$$

$$3, 21 = 63$$

$$4, 26 = 104$$

Then

$$5, 30 = ?$$

If

$$3, 9 = 27$$

$$4, 12 = 48$$

$$5, 14 = 70$$

$$6, 19 = 114$$

Then

$$7, 24 = ?$$

Complete each pattern. Write what the rule is.

216	198	180
162		126
108	90	
54		18

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$63 \div 9 =$

How many hundreds are in the number 3,400?

Mary has 44 books. She organized them equally into 4 boxes. How many books in each box?

What is 18 less than 1,599?

In the parking lot there are 13 vehicles. There are 4 SUVs. What fraction of the vehicles are not SUVs?

$35 \div \underline{\quad} = 7$

Circle the four numbers whose sum equals 44.

5	4	20	10
15	5	14	18
17	17	10	19

$4 \times \underline{\quad} = 12 = \underline{\quad} \times 6$

$10 \times \underline{\quad} = 50 = \underline{\quad} \times 2$

$9 \times \underline{\quad} = 36 = \underline{\quad} \times 12$

$7 \times \underline{\quad} = 70 = \underline{\quad} \times 14$

$6 \times \underline{\quad} = 48 = \underline{\quad} \times 3$

F, H, J, L, \_\_\_\_\_, P, R,  
T, V, X, Z

Write the number that is one hundred more than 6,134.

In the equation  $32 \times 481 = 15,392$ , which number is the product?

Round 1678 to the nearest hundred.

$547 + 8 =$

Is 539 closer to 500 or 600?

How many tens are in the number 8,300?

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

Gavin worked in the school library for thirty minutes each day. He put books back on the shelves. On Monday there were one hundred thirty-five books to put back. He put back sixty books. How many books are left for him to put on the shelves?

Kevin practices tennis for 3 hours each week. Jessica practices swimming for 5 hours each week. How many more hours does Jessica practice in 12 weeks than Kevin?

Puppy Place is having a sale. They are selling boxes of dog biscuits for \$0.99 each. There are 24 biscuits in each box. How many are there in 5 boxes?

What number is halfway between 0 and 14?

$$22 + \underline{\quad} + 25 = 61$$

$$12 \times 1 + 3$$

There are 8 stacks of books on the table. There is 1 book in the first stack, 4 books in the second stack, 9 books in the third stack, and 16 books in the fourth stack. Following the same pattern, how many books are in the 8th stack?

Six students talked about eye safety today. They told the other students how to protect their eyes. The talks took 50 minutes. About how long did each student talk?

Mr. Garcia wore safety glasses when he mowed his lawn. He could buy 3 pairs for \$21. How much did one pair cost?

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

$$\begin{array}{c} 122 \\ + \\ 87 \quad 35 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 44 \quad 62 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 39 \quad 17 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 39 \quad 38 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 51 \quad 87 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 98 \quad 44 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 78 \quad 82 \end{array}$$

$$\begin{array}{c} \quad \quad \quad \\ + \\ 95 \quad 86 \end{array}$$

$$\begin{array}{c} 407 \\ + \\ 375 \quad \quad \end{array}$$

$$\begin{array}{c} 402 \\ + \\ \quad \quad 38 \end{array}$$

$$\begin{array}{c} 402 \\ + \\ 364 \quad \quad \end{array}$$

$$\begin{array}{c} 973 \\ + \\ \quad \quad 23 \end{array}$$

$$\begin{array}{c} 852 \\ + \\ 802 \quad \quad \end{array}$$

$$\begin{array}{c} 576 \\ + \\ \quad \quad 99 \end{array}$$

$$\begin{array}{c} 693 \\ + \\ 663 \quad \quad \end{array}$$

$$\begin{array}{c} 306 \\ + \\ \quad \quad 25 \end{array}$$

$$\begin{array}{r} 832 \\ - 612 \\ \hline \end{array}$$

$$\begin{array}{r} 627 \\ + 923 \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 576 \\ \hline \end{array}$$

$$\begin{array}{r} 532 \\ - 426 \\ \hline \end{array}$$

$$\begin{array}{r} 495 \\ - 164 \\ \hline \end{array}$$

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

$$\begin{array}{r} 272 \\ + 320 \\ \hline \end{array}$$

$$\begin{array}{r} 555 \\ + 670 \\ \hline \end{array}$$

$$\begin{array}{r} 683 \\ + 171 \\ \hline \end{array}$$

$$\begin{array}{r} 532 \\ + 458 \\ \hline \end{array}$$

$$\begin{array}{r} 918 \\ + 508 \\ \hline \end{array}$$

$$\begin{array}{r} 8\Box9 \\ + \Box49 \\ \hline 17\Box \end{array}$$

$$\begin{array}{r} 9\Box8 \\ + \Box2\Box \\ \hline 120 \end{array}$$

$$\begin{array}{r} 8\Box\Box \\ + \Box34 \\ \hline 137 \end{array}$$

$$\begin{array}{r} 142 \\ + \Box51 \\ \hline 6\Box\Box \end{array}$$

$$\begin{array}{r} \Box\Box2 \\ + 44\Box \\ \hline 730 \end{array}$$

$$\begin{array}{r} 565 \\ + 765 \\ \hline \end{array}$$

$$\begin{array}{r} 150 \\ + 638 \\ \hline \end{array}$$

$$\begin{array}{r} 208 \\ + 808 \\ \hline \end{array}$$

$$\begin{array}{r} 154 \\ + 789 \\ \hline \end{array}$$

$$\begin{array}{r} 133 \\ + 841 \\ \hline \end{array}$$

$$\begin{array}{r} 191 \\ + \Box\Box5 \\ \hline 52\Box \end{array}$$

$$\begin{array}{r} \Box\Box5 \\ + 7\Box6 \\ \hline 11\Box \end{array}$$

$$\begin{array}{r} 428 \\ + \Box5\Box \\ \hline 9\Box5 \end{array}$$

$$\begin{array}{r} 5\Box2 \\ + 94\Box \\ \hline \Box\Box4 \end{array}$$

$$\begin{array}{r} 8\Box3 \\ + 51\Box \\ \hline \Box37 \end{array}$$

$$\begin{array}{r} 755 \\ + 737 \\ \hline \end{array}$$

$$\begin{array}{r} 311 \\ + 569 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ + 309 \\ \hline \end{array}$$

$$\begin{array}{r} 850 \\ + 491 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ + 560 \\ \hline \end{array}$$

$$\begin{array}{r} \Box\Box2 \\ + 46\Box \\ \hline 101 \end{array}$$

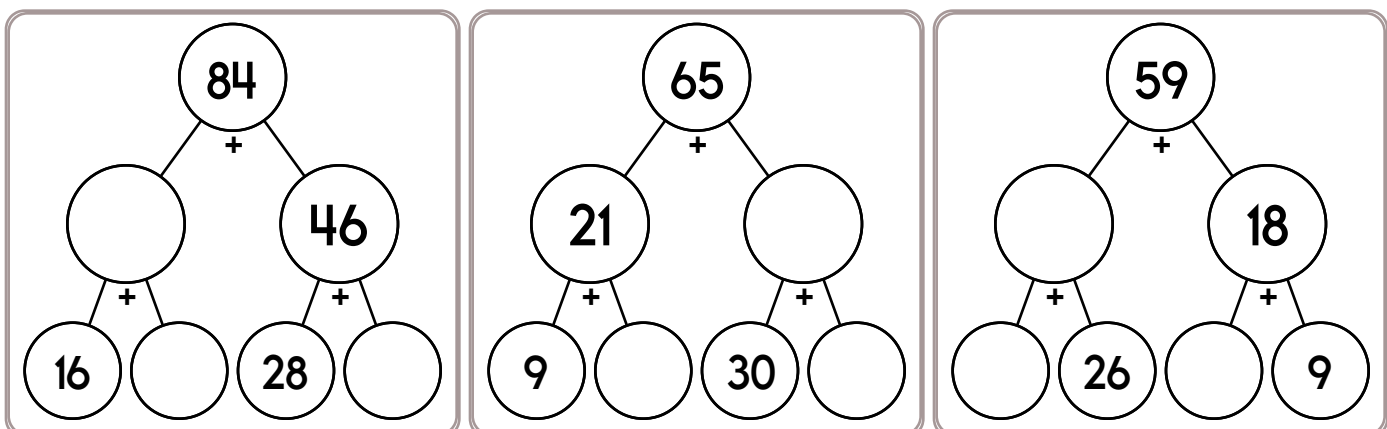
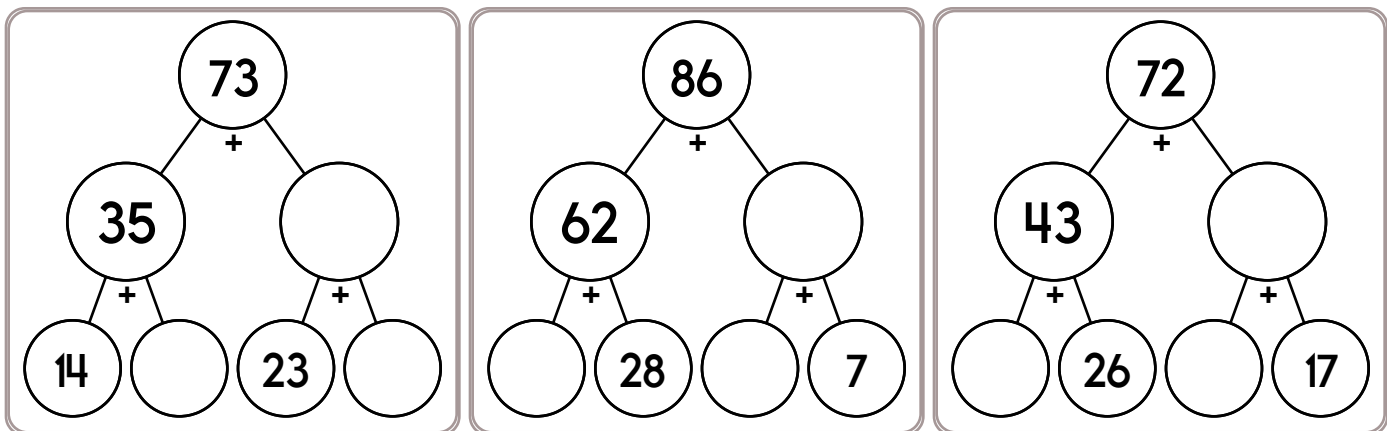
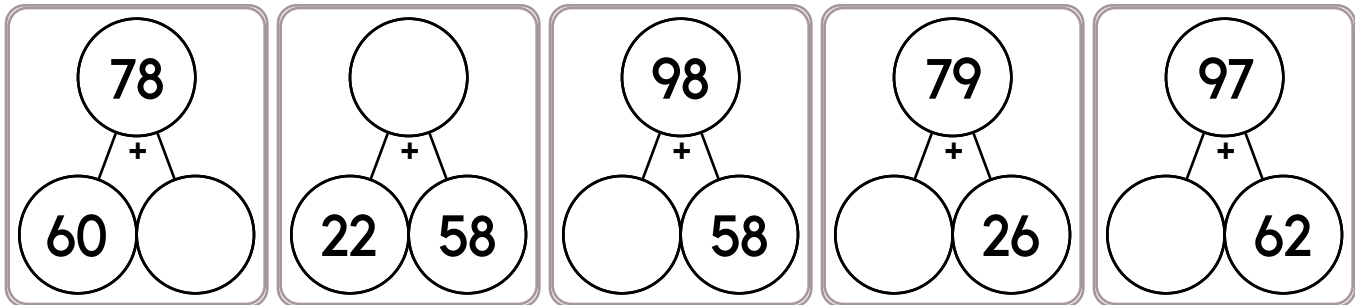
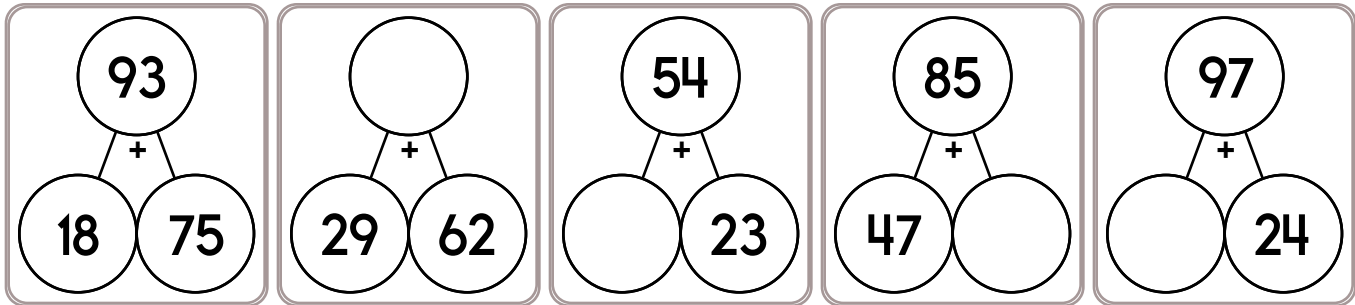
$$\begin{array}{r} \Box2\Box \\ + 901 \\ \hline \Box\Box2 \end{array}$$

$$\begin{array}{r} \Box63 \\ + 96\Box \\ \hline 1\Box2 \end{array}$$

$$\begin{array}{r} \Box\Box3 \\ + 487 \\ \hline 14\Box \end{array}$$

$$\begin{array}{r} 768 \\ + 9\Box\Box \\ \hline \Box6\Box \end{array}$$

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



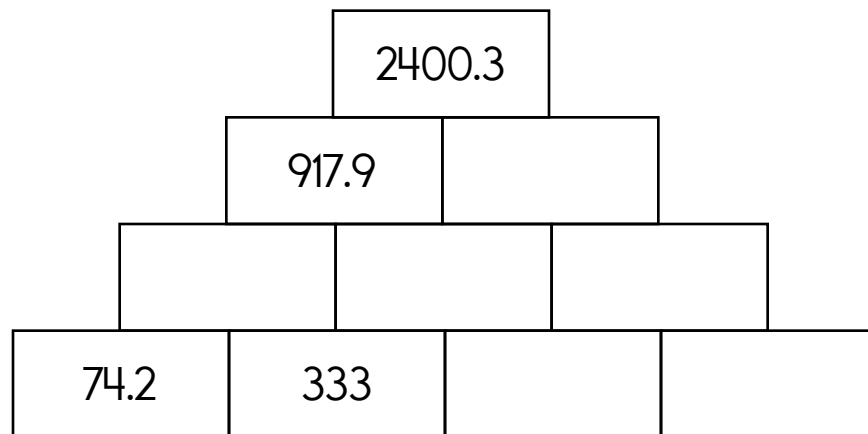
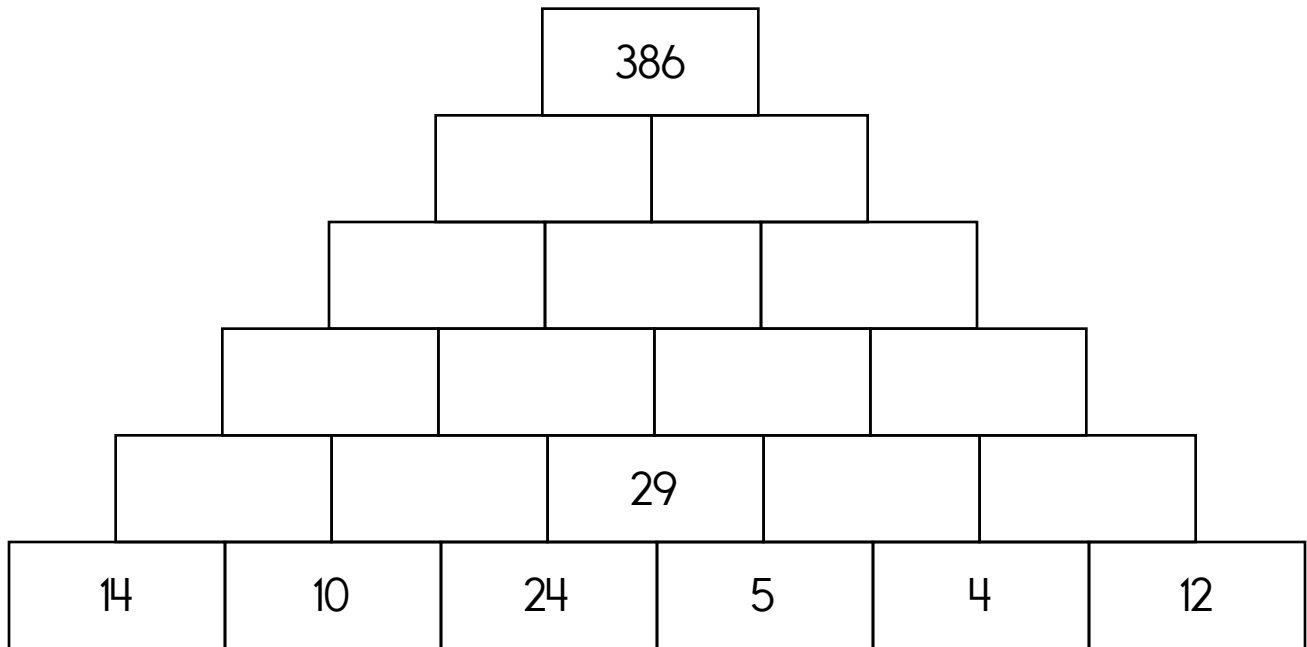
How much greater is 175 than 30?

$$6 + 10 \times 3$$

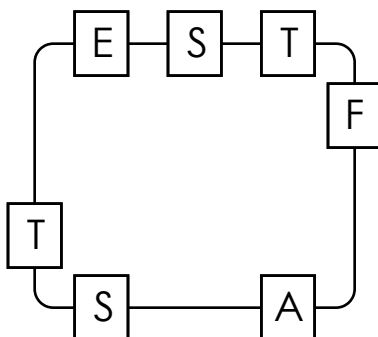
$$12 \times 6 =$$

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The block above is the sum of the two blocks below. Fill in the missing blocks.



Write the hidden word. Start at one letter and then move either left or right.



\_\_\_\_\_

How many inches are in five feet?

\_\_\_\_\_

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ + 20 \\ \hline \end{array}$$

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

Rose is making prize bags for Weird Contest Week. She has 51 prizes. She is going to put an equal number in each of 12 bags. She wants to put as many prizes in each bag as she possibly can. After she has filled 7 bags, what fraction of the prizes does she have left?

Sara went to the store. She bought one jar of "Bubble Stuff." It cost 83¢. She gave the clerk 3 quarters and 1 dime. How much money did she get back?

The Frozen Food Month sale began at 10:30 a.m. and lasted until 8:40 p.m. What was the elapsed time?

### What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word

Sum

1 2 4 6 12 18  
B I T T E R

13

1 2 4 6  
E I

1 2 4 8 14  
T I

1 2 6 12 18  
S T O

Make a Word

Sum

1 2 4 6 12  
B E

1 2 4 6 8 14 20  
I

1 2 6 10  
M I

1 2 4 8 14 20  
R I

Circle the correctly spelled words.  
stoup, stoop  
conflict, konflikt  
sugest, suggest



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

### Sudoku Sums of 9

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 9.

Here is an example of a sudoku sum of 9:

1	8
---	---

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

☐ coin

☐ kion

☐ cin

☐ coinn

Write 246 in expanded notation.

\_\_\_\_\_

Round 829,475 to the nearest thousand.

\_\_\_\_\_

There are six cars parked in a row exactly the same distance from each other. The first car is 48 inches from the second car. The first car is 96 inches from the third car. How far is the sixth car from the third car?

\_\_\_\_\_

$$4 \overline{)16}$$

List the first four multiples of 6.

\_\_\_\_\_

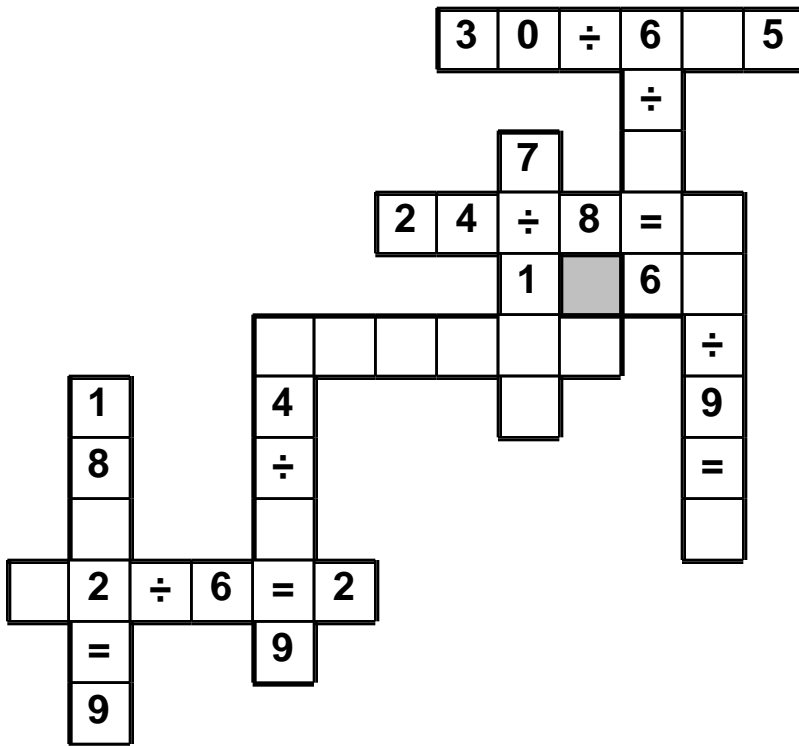
Insert a comma in the appropriate place in this sentence.

I want to talk to you but I'll leave you alone so you can do your homework.

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

= • 1 • 3 • 6 • 5 • 4 • ÷ • 9 • = • 6 • 7 • ÷ • 6 • 4 • 1

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



Jason's birthday is in February.  
Emily's birthday is five months  
after Jason's birthday. What  
month is Emily's birthday?

\_\_\_\_\_

What is the ratio of boys to  
girls in your class?

\_\_\_\_\_

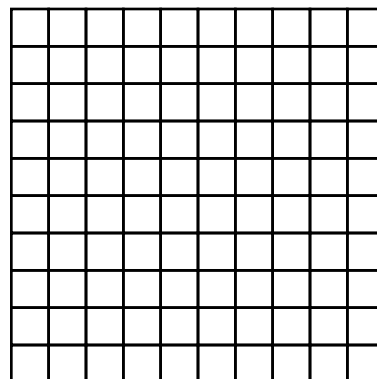
☐ pehnee

☐ pehne

☐ peny

☐ penny

Color  $\frac{8}{10}$ .



Write a word to describe August.

\_\_\_\_\_

Is 23 prime or composite?

\_\_\_\_\_

$$\begin{array}{r} 61 \\ + 90 \\ \hline \end{array}$$

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

$$\begin{array}{r} 109 \\ + 253 \\ \hline \end{array}$$

$$\begin{array}{r} 1,235 \\ - 443 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ + 704 \\ \hline \end{array}$$

$$\begin{array}{r} 496 \\ - 232 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ + 611 \\ \hline \end{array}$$

$$\begin{array}{r} 1,270 \\ - 391 \\ \hline \end{array}$$

$$\begin{array}{r} 1,390 \\ - 654 \\ \hline \end{array}$$

$$\begin{array}{r} 955 \\ - 733 \\ \hline \end{array}$$

$$\begin{array}{r} 993 \\ + 951 \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ + 235 \\ \hline \end{array}$$

$$\begin{array}{r} 1,660 \\ - 845 \\ \hline \end{array}$$

$$\begin{array}{r} 794 \\ + 774 \\ \hline \end{array}$$

$$\begin{array}{r} 1,237 \\ - 784 \\ \hline \end{array}$$

$$\begin{array}{r} 695 \\ - 205 \\ \hline \end{array}$$

$$\begin{array}{r} 996 \\ + 498 \\ \hline \end{array}$$

$$\begin{array}{r} 886 \\ + 157 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ + 460 \\ \hline \end{array}$$

$$\begin{array}{r} 934 \\ - 142 \\ \hline \end{array}$$

$$\begin{array}{r} 1,834 \\ - 840 \\ \hline \end{array}$$

$$\begin{array}{r} 639 \\ + 343 \\ \hline \end{array}$$

$$\begin{array}{r} 783 \\ - 248 \\ \hline \end{array}$$

$$\begin{array}{r} 1,398 \\ - 780 \\ \hline \end{array}$$

$$\begin{array}{r} 676 \\ + 501 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ + 755 \\ \hline \end{array}$$

$$\begin{array}{r} 715 \\ + 139 \\ \hline \end{array}$$

$$\begin{array}{r} 1,236 \\ - 501 \\ \hline \end{array}$$

$$\begin{array}{r} 978 \\ - 823 \\ \hline \end{array}$$

$$\begin{array}{r} 917 \\ + 884 \\ \hline \end{array}$$

$$\begin{array}{r} 1,766 \\ - 979 \\ \hline \end{array}$$

$$\begin{array}{r} 249 \\ + 547 \\ \hline \end{array}$$

$$\begin{array}{r} 653 \\ + 588 \\ \hline \end{array}$$

$$\begin{array}{r} 1,352 \\ - 405 \\ \hline \end{array}$$

$$\begin{array}{r} 421 \\ + 403 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ - 172 \\ \hline \end{array}$$

$$\begin{array}{r} 583 \\ + 686 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + \square \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 23 \\ + \square \\ \hline \end{array}$$

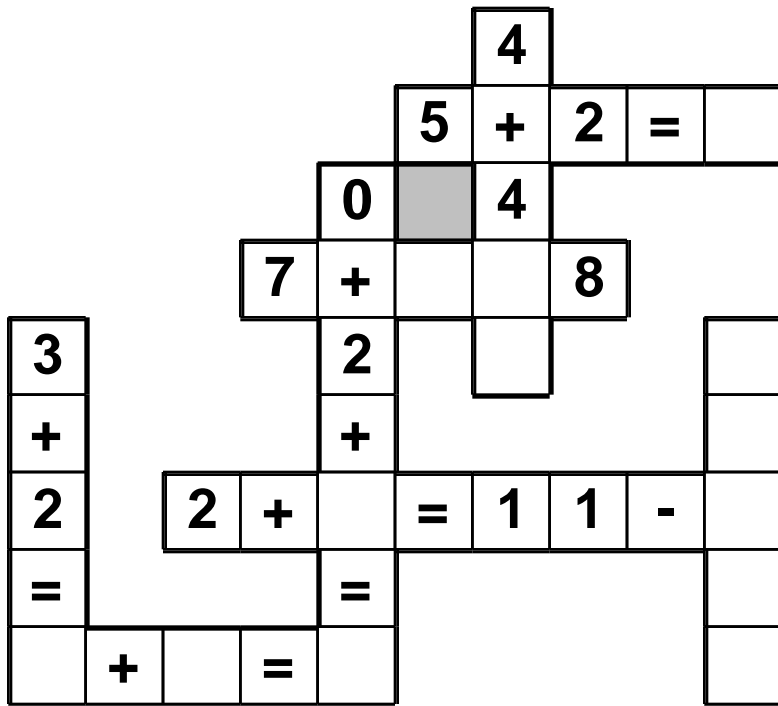
$$\begin{array}{r} 26 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \square \end{array}$$

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

7 • 1 • = • 8 • 0 • + • 4 • 5 • = • 5 • 1 • 6 • 5

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



Fill in the boxes so each line equals 12.

12

3

x

96

÷

14

-

(

+

8

)

+

Write the shaded part as a decimal.



Form the past, present, and future progressive forms of the verb.

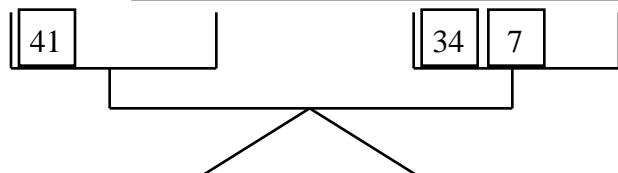
I thirst

\_\_\_\_\_

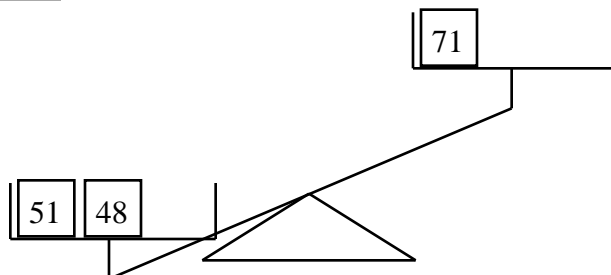
\_\_\_\_\_

\_\_\_\_\_

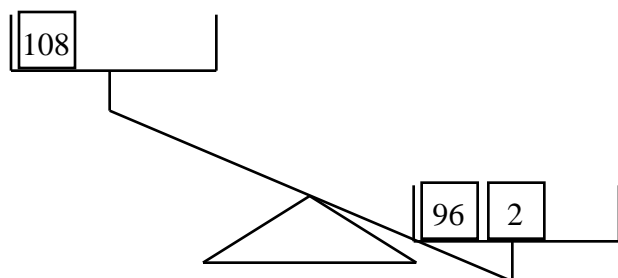
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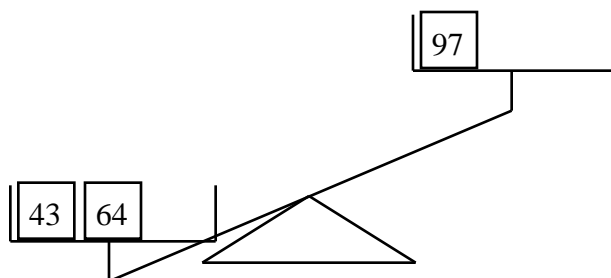
41 = 34 + 7



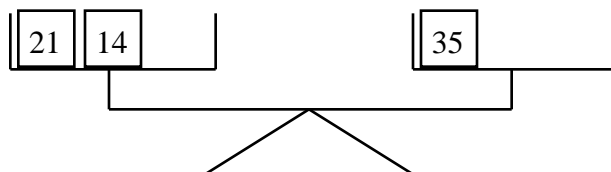
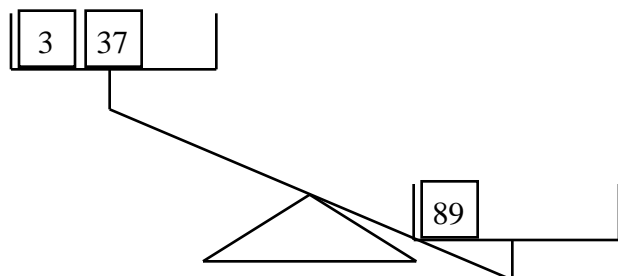
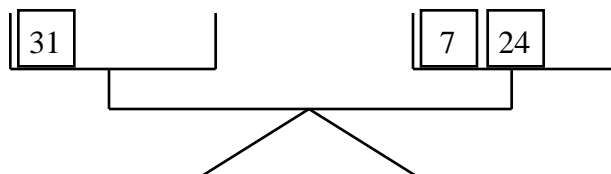
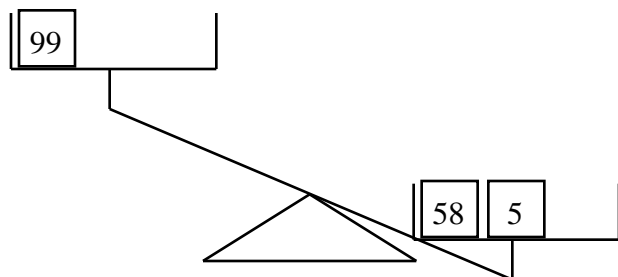
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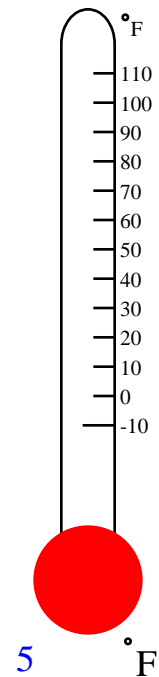
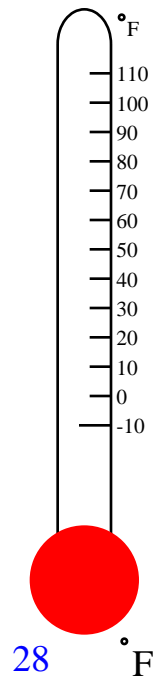
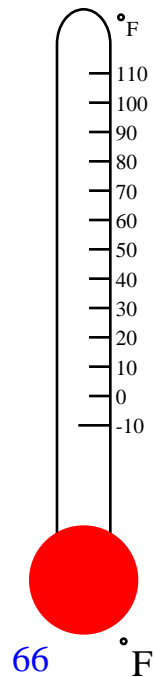
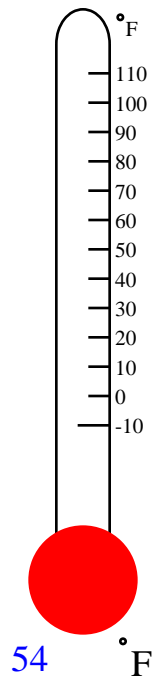
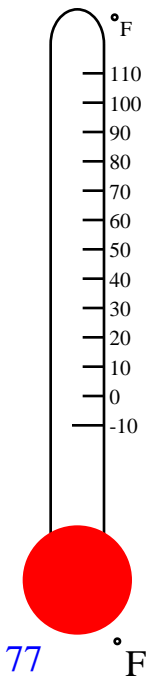
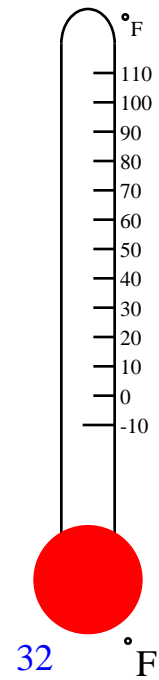
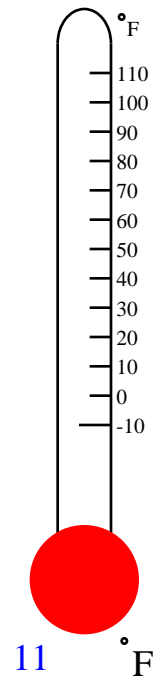
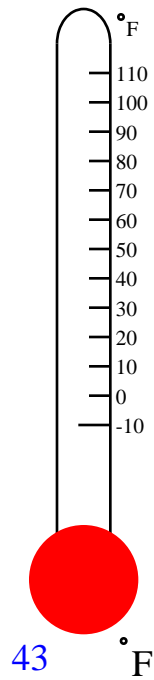
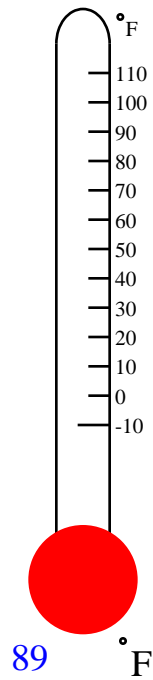
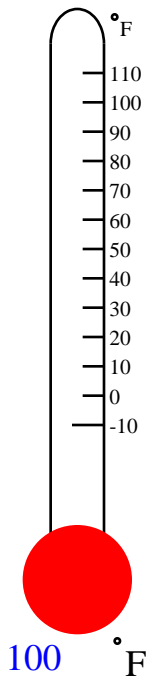


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Name: \_\_\_\_\_

Color in the thermometer.



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

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



$12 \div 4 =$

$14 \div 7 =$

$56 \div 7 =$

$36 \div 4 =$

$28 \div 4 =$

$12 \div 3 =$

$24 \div 4 =$

$49 \div 7 =$

$35 \div 5 =$

$48 \div 6 =$

$16 \div 4 =$

$16 \div 2 =$



$\_\_ \div 9 = 5$

$48 \div \_\_ = 8$

$\_\_ \div 2 = 7$

$54 \div \_\_ = 6$

$\_\_ \div 2 = 5$

$48 \div \_\_ = 6$

$27 \div \_\_ = 9$

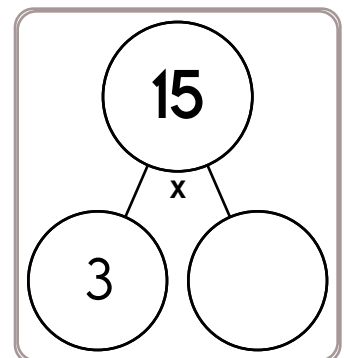
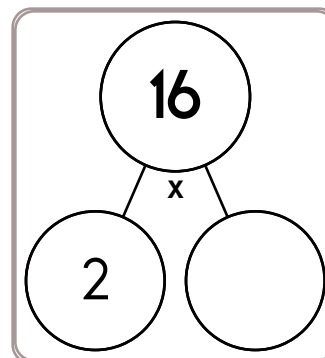
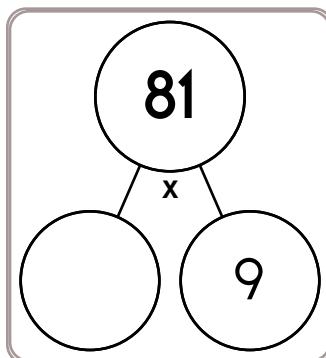
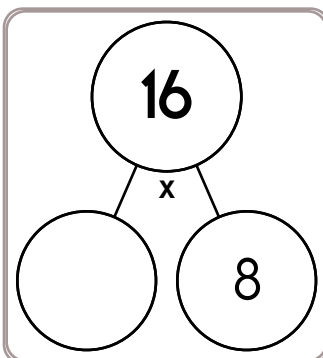
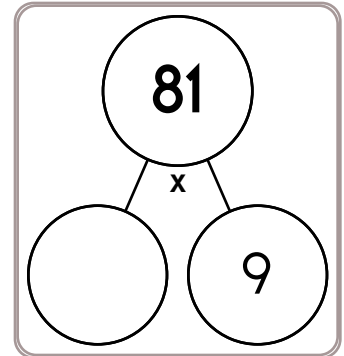
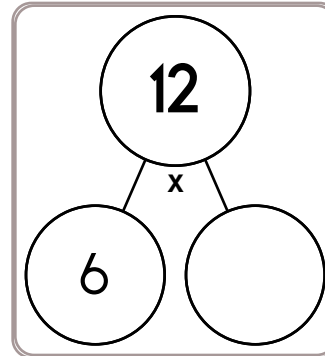
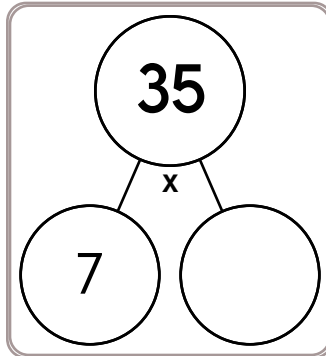
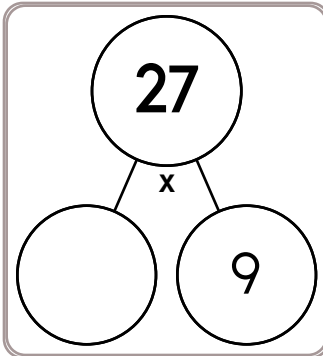
$\_\_ \div 6 = 2$

$4 \div \_\_ = 2$

$56 \div \_\_ = 8$

$\_\_ \div 3 = 2$

$\_\_ \div 2 = 3$





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

$$\begin{array}{r} 728 \\ + 514 \\ \hline \end{array}$$

$$\begin{array}{r} 757 \\ + 698 \\ \hline \end{array}$$

$$\begin{array}{r} 790 \\ + 473 \\ \hline \end{array}$$

$$\begin{array}{r} 864 \\ + 573 \\ \hline \end{array}$$

$$\begin{array}{r} 993 \\ + 519 \\ \hline \end{array}$$

$$\begin{array}{r} \square 12 \\ + 9\square 0 \\ \hline 13\square \end{array}$$

$$\begin{array}{r} 6\square\square \\ + 156 \\ \hline \square\square 3 \end{array}$$

$$\begin{array}{r} 40\square \\ + \square 0\square \\ \hline 7\square 5 \end{array}$$

$$\begin{array}{r} \square 73 \\ + 50\square \\ \hline 8\square 9 \end{array}$$

$$\begin{array}{r} 77\square \\ + \square 22 \\ \hline 1\square 9 \end{array}$$

$$\begin{array}{r} 694 \\ + 496 \\ \hline \end{array}$$

$$\begin{array}{r} 953 \\ + 884 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ + 659 \\ \hline \end{array}$$

$$\begin{array}{r} 292 \\ + 856 \\ \hline \end{array}$$

$$\begin{array}{r} 268 \\ + 646 \\ \hline \end{array}$$

$$\begin{array}{r} \square 8\square \\ + 802 \\ \hline 1\square 8 \end{array}$$

$$\begin{array}{r} \square\square 6 \\ + 796 \\ \hline 1\square\square \end{array}$$

$$\begin{array}{r} 473 \\ + 1\square\square \\ \hline \square 21 \end{array}$$

$$\begin{array}{r} 6\square\square \\ + \square 60 \\ \hline 799 \end{array}$$

$$\begin{array}{r} 63\square \\ + \square 61 \\ \hline 1\square 9 \end{array}$$

$$\begin{array}{r} 841 \\ + 714 \\ \hline \end{array}$$

$$\begin{array}{r} 806 \\ + 575 \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ + 625 \\ \hline \end{array}$$

$$\begin{array}{r} 319 \\ + 648 \\ \hline \end{array}$$

$$\begin{array}{r} 200 \\ + 996 \\ \hline \end{array}$$

$$\begin{array}{r} 8\square 1 \\ + \square 87 \\ \hline 1\square\square \end{array}$$

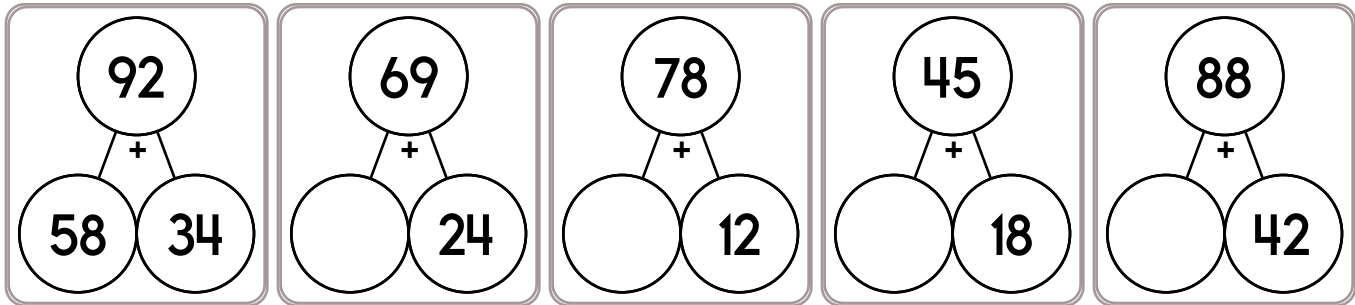
$$\begin{array}{r} \square 74 \\ + 6\square 6 \\ \hline 12\square \end{array}$$

$$\begin{array}{r} 72\square \\ + 2\square 4 \\ \hline \square 37 \end{array}$$

$$\begin{array}{r} 1\square\square \\ + \square 8\square \\ \hline 107 \end{array}$$

$$\begin{array}{r} \square\square 6 \\ + 24\square \\ \hline 739 \end{array}$$

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



What is the sum of 7 and 69?

Find the product of 7 and 4.

Write the greatest possible 5-digit number using only 2 different numbers.

What number is halfway between 17 and 23?

$$\underline{\hspace{1cm}} \div 6 = 4$$

double 10 =

Write the number that has exactly 9 hundreds.

$$12 \div 4 =$$

Round 157 to the nearest ten.

67, 79, \_\_\_\_\_, 103, 115,  
127

Write the least possible 4-digit number without repeating any numbers.

Anne bought a pack of six waters. It cost \$3.18. How much did each water cost?

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

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

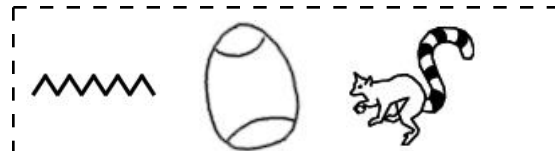
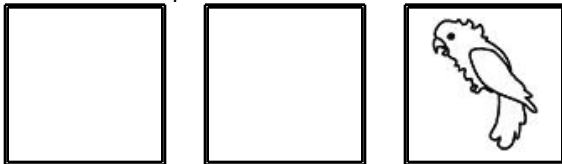


! Draw 1 of these 3 pictures.  
! The picture is NOT in the correct spot.



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

Draw the 3 pictures in the correct order:



! 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.

Write a 4-digit odd number.

triple 13 =

36, 48, \_\_\_\_\_, 72, 84,  
96

How many total legs are on  
3 dogs and 2 chickens?

Connor earns \$20 an hour.  
He worked 3 hours. How  
much did he make?

Anna has 21 nickels. How  
much money is that?

$2 \times (5 + 2)$

Name the shape with eight  
sides and eight angles.

Write the number that has  
exactly 16 ones.

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

Rosa has \$48. She wants to buy something that costs \$95. How much more does she need?

B, F, C, H, D, J, E,  
\_\_\_\_\_, F, N

What is the sum of 10 and 456?

The number 74 is more than the number 8 by how much?

Name the shape with three sides and three angles.

How many minutes are there from 7:45 p.m. until 8:15 p.m.?

Megan bought a stuffed animal at the school store. She paid with a \$5 bill. She was given back 6 dimes and 2 quarters for change. How much was the stuffed animal?

Circle the three numbers whose sum equals 42.

5	19	8	16
5	11	13	15

48, 53, 58, 66, 74, 85,  
96, 110, 124, 141,  
\_\_\_\_\_, 178, 198, 221,  
244, 270

You have a playdate in 300 minutes. How many hours is that?

$4 + 8 + 5$

If you exchange 60 dimes for dollars, then how many dollars would you get?

	1	7
X		2

	6	6
X		6
<hr/>		

	7	5
X		9
<hr/>		

	5	4
X		5
<hr/>		

	1	5
X		7

	8	3	6	1	0
X					9

	5	3	6	4	8
X					3

	2	7	4	9	2
X					5

		9
	X	8
	2	9

A 4x4 grid representing a 16-bit number. The grid is divided into four 2x2 quadrants by a horizontal and vertical dashed line. The top-left quadrant contains a red square at (0,0) and a light pink square at (1,1). The top-right quadrant contains a red square at (0,2), a light pink square at (0,3), a red square at (1,2), and a light pink square at (1,3). The bottom-left quadrant contains a red square at (0,0), a light pink square at (0,1), a red square at (1,0), and a light pink square at (1,1). The bottom-right quadrant contains a red square at (0,0), a light pink square at (0,1), a red square at (1,0), and a light pink square at (1,1). The grid is labeled with 'X' at (1,1) and '7 6' at (1,2).

		5	3
	X	9	6

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

$$\begin{array}{r} 4 \\ 4 \overline{)16} \\ \underline{x \phantom{00}} \\ 16 \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 3 \overline{)36} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 6 \overline{)60} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 5 \overline{)30} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 11 \overline{)99} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 7 \overline{)84} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 9 \overline{)63} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 12 \overline{)84} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 8 \overline{)88} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 2 \overline{)16} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 10 \overline{)80} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 10 \overline{)110} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 4 \overline{)40} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 7 \overline{)49} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 8 \overline{)16} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 3 \overline{)30} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 2 \overline{)6} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

$$\begin{array}{r} 5 \overline{)55} \\ \underline{x \phantom{00}} \end{array}$$

Check.  $\rightarrow$

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 4 in your head

add 3

double it

Write the ones digit.

\_\_\_\_\_  
A

imagine 9 in your head

add 3

double it

add 1

add 8

Write the tens digit.

\_\_\_\_\_  
B

imagine 9 in your head

add 2

double it

subtract 9

subtract 8

subtract 3

Write the number.

\_\_\_\_\_  
C

imagine 9 in your head

subtract 6

add 3

subtract 3

add 7

Write the even digit  
in your answer.

What is the sum?

A + B + C

\_\_\_\_\_

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

\_\_\_\_\_e\_\_\_\_\_

4 before 14 \_\_\_\_\_

7 after 18 \_\_\_\_\_

1 before 11 \_\_\_\_\_

2 before 18 \_\_\_\_\_

2 after 17 \_\_\_\_\_

8 before 15 \_\_\_\_\_

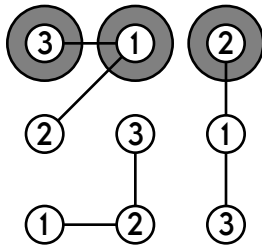
5 before 13 \_\_\_\_\_

4 after 15 \_\_\_\_\_

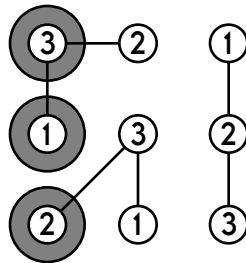
3 before 19 \_\_\_\_\_

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

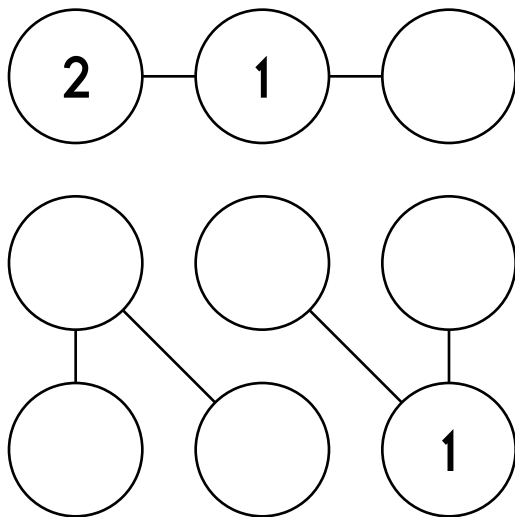
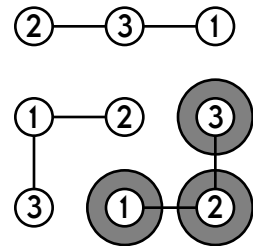
Each column must contain different numbers.



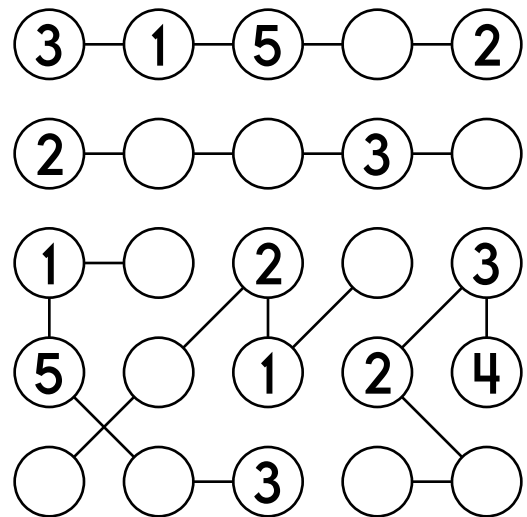
Each row must contain different numbers.



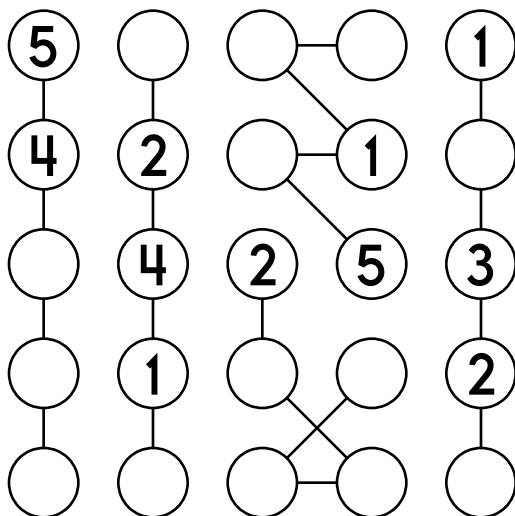
Each connected group must contain different numbers.



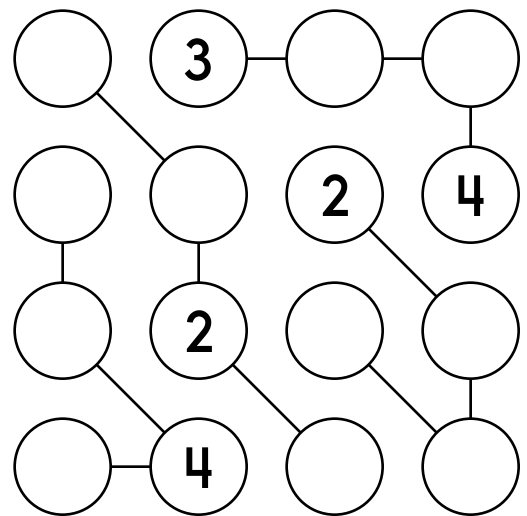
Use the numbers 1 through 3.



Use the numbers 1 through 5.



Use the numbers 1 through 5.



Use the numbers 1 through 4.



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

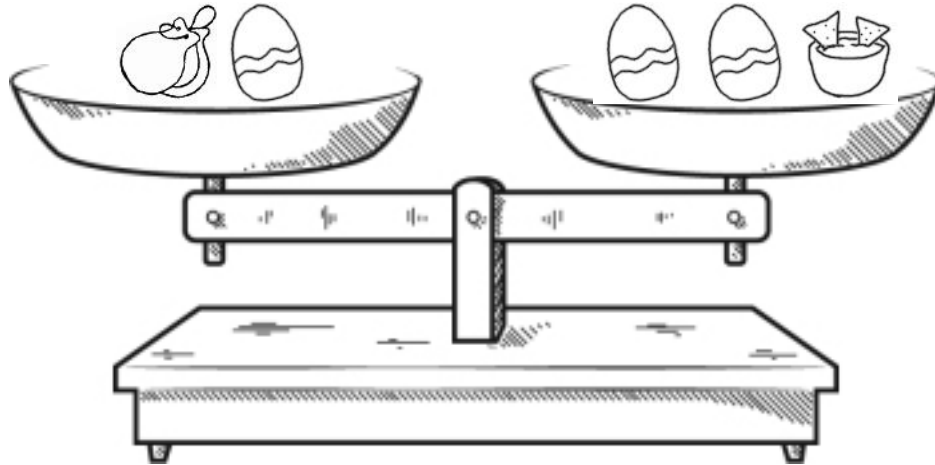
Each row, column, and box must have the numbers 1 through 6.




			5		
				1	3
		5		2	4
3			1	4	
6		4			

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




	4	1			
		2			
	3		2		6
1					5
			6		1

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








 $<$ 









True ☐ False ☐


 $=$ 







True ☐ False ☐



 $<$ 












True ☐ False ☐




 $=$ 





True ☐ False ☐





 $<$ 




True ☐ False ☐





 $=$ 






True ☐ False ☐




 $=$ 






True ☐ False ☐

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

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

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

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

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

R, R, I, R, R, I, R, R, I, \_\_\_\_, \_\_\_\_, I, R, R, I

K, K, \_\_\_\_, \_\_\_\_, K, G, \_\_\_\_, \_\_\_\_, G, K, K, G

What is the rule for each pattern?

118, 8, 102, \_\_\_\_, \_\_\_\_, 22, 70, 29, 54, 36, 38, 43, 22

116, 7, \_\_\_\_, \_\_\_\_, 92, 13, 80, 16, 68, 19, 56, 22, 44, 25

9, 163, 13, 148, \_\_\_\_, 133, 21, 118, 25, 103, 29, 88, 33, 73



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- ÷  
< >

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