

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

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

$28 \times 35 =$

$32 \times 14 =$

$28 \times 35 =$

$22 \times 42 =$

$12 \times 39 =$

$19 \times 26 =$

$28 \times 25 =$

$12 \times 28 =$

$38 \times 13 =$

$32 \times 42 =$

$44 \times 21 =$

$14 \times 39 =$

$40 \times 40 =$

$50 \times 32 =$

$12 \times 49 =$

$35 \times 20 =$

$28 \times 16 =$

$20 \times 49 =$

$21 \times 26 =$

$20 \times 49 =$

$28 \times 48 =$

$36 \times 13 =$

$24 \times 14 =$

$14 \times 42 =$

$y - 6 = 19$

What is the least common multiple of 2 and 5?

$18 - y = 4$

At 3 p.m. today, Erin will not be able to use her electronics for 3 hours. At what time will she be able to resume using her phone?

Jenna has \$44. She wants to buy something that costs \$96. How much more does she need?

Write the least possible 3-digit number using only 2 different numbers.

10, 12, 14, 16, \_\_\_\_\_, 20

$27 \div \underline{\quad} = 9$

How many tens are in the number 15,000?

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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

subtract 2

add 1

Write the number.

\_\_\_\_\_ **A**

imagine 7 in your head

subtract 4

add 4

multiply 10

add 8

double it

Write the tens digit.

\_\_\_\_\_ **B**

imagine 6 in your head

subtract 5

add 6

double it

Write the odd digit  
in your answer.

\_\_\_\_\_ **C**

imagine 3 in your head

add 1

add 5

add 7

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?

\_\_\_\_\_ **e** \_\_\_\_\_ **n**

7 after 14 \_\_\_\_\_

1 before 14 \_\_\_\_\_

9 before 15 \_\_\_\_\_

6 after 12 \_\_\_\_\_

5 before 18 \_\_\_\_\_

8 before 13 \_\_\_\_\_

3 after 16 \_\_\_\_\_

2 before 11 \_\_\_\_\_

7 before 17 \_\_\_\_\_

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$$30 + -45 =$$

$$-4 - 9 =$$

$$-12 + -6 =$$

$$4 \overline{) 228}$$

$$8 \overline{) 532}$$

$$\begin{array}{r} 42 \\ \times 17 \\ \hline \end{array}$$

Divide and write remainder.

$$\frac{7}{8} \times \frac{3}{4} =$$

$$2\frac{1}{4} \times 3\frac{1}{2} =$$

$$\frac{6}{7} \div 7 =$$

$$6 - \frac{1}{2}$$

$$\begin{array}{r} 6\frac{5}{8} \\ - 5\frac{3}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 5\frac{1}{12} \\ + 4\frac{10}{12} \\ \hline \end{array}$$

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

Use >, <, or = to complete.

$$145 \text{ \_\_\_ } 146.8$$

$$15.3 \text{ \_\_\_ } 15.22$$

$$7.86 \text{ \_\_\_ } 7.6$$

$$453 \text{ \_\_\_ } 456.8$$

$$29.1700 \text{ \_\_\_ } 29.17$$

$$410 \text{ \_\_\_ } 413.1$$

$$29.43 \text{ \_\_\_ } 29.3$$

Write as a decimal.

$$18 \frac{2}{10}$$

Use >, <, or = to complete.

$$8.9 \text{ \_\_\_ } 8.900$$

$$25.57 \text{ \_\_\_ } 25.7$$

$$311.1 \text{ \_\_\_ } 313$$

$$140 \text{ \_\_\_ } 137.25$$

$$29.18 \text{ \_\_\_ } 29.7$$

$$353 \text{ \_\_\_ } 349.36$$

$$24.3 \text{ \_\_\_ } 24.16$$

$$15 - 6 = \text{ \_\_\_ }$$

$$15 + -6 = \text{ \_\_\_ }$$

$$18 - 8 = \text{ \_\_\_ }$$

$$18 + -8 = \text{ \_\_\_ }$$

$$4 - 3 - 2 =$$

$$8y = 24$$

$$5m = 30$$

$$\text{ \_\_\_ } \div 8 = 3$$

What is the missing number?

$$N \div 6 = 5$$

What is the value of N?

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$$\begin{array}{r} 6.2 \\ -4.81 \\ \hline \end{array}$$

$$2 - 1.7 =$$

$$0.96 + 1.8 + 0.8 =$$

Write the supplement of each angle.

$96^\circ$

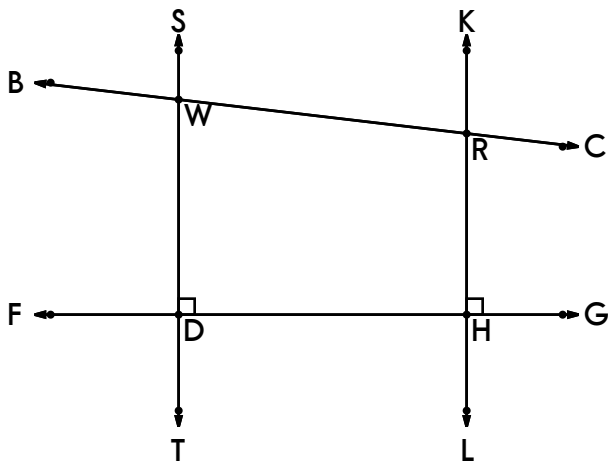
$72^\circ$

$50^\circ$

$166^\circ$

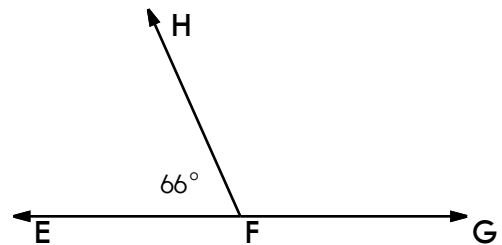
An angle measures  $119^\circ$ .  
What would you call this angle?

Use a protractor to draw an  $85^\circ$  angle.



Name 3 angles.

Name 2 pairs of intersecting lines.



What kind of angle is  $\angle HFG$ ?

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

$$\begin{array}{r} 6\frac{2}{4} \\ - \frac{9}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 9\frac{1}{11} \\ - 2 \\ \hline \end{array}$$

Find the least common denominator.

$$\frac{6}{10} \text{ and } \frac{1}{11}$$

$$15 - \underline{\quad} = 1$$

What is the missing number?

$$34 - x = 23$$

What is the value of x?

$$\underline{\quad} - 8 = 1$$

What is the missing number?

$$x - 4 = 3$$

What is the value of x?

$$15 - m = 5$$

What angle is the complement of an angle that is  $37^\circ$ ?

Write the supplement of each angle.

$$36^\circ$$

$$22^\circ$$

$$40^\circ$$

$$25^\circ$$

Sketch an obtuse angle named  $\angle CDE$ .

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<p>Sara has 80 coins in her bank. They are all dimes and nickels. She has three times as many dimes as nickels. How much money does she have in her bank?</p>	<p>On Wear Your Pajamas to Work Day, all 219 of the office workers in the Sinclair  <math>\frac{1}{3}</math> of them wore red and white pajamas, and the rest of the office workers wore other colors. How many of the office workers wore other colors?</p>	<p>Jessica mailed invitations to her birthday party on March 25. Her birthday is exactly three weeks later. On what date is her birthday?</p>
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$\begin{array}{r} 447 \\ - 125 \\ \hline \end{array}$	<p>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.</p>	$48 \div 8 =$
		$\begin{array}{r} 349 \\ + 426 \\ \hline \end{array}$

<p>The principal of your school wants to buy forty-four books. Each book costs \$10.70. She wants to estimate how much it will cost. Show her how you would estimate the cost:</p>	$\begin{array}{r} 28 \\ + 30 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ - 20 \\ \hline \end{array}$

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

Can 425 be evenly divided by 4? Circle:

425 is evenly divisible by 4

425 is NOT evenly divisible by 4

1 kg = 1,000 g

8 kg = \_\_\_\_\_ g

12 cm = \_\_\_\_\_ mm

Anna wants to call Wendy.  
Wendy is on vacation in Asia.  
It is a time difference of ten  
hours. Wendy's time is always  
later than Anna's time. If it is  
11:49 A.M. where Anna lives,  
then what time is it where  
Wendy is?

\_\_\_\_\_

April wrote down a fraction on a  
piece of paper. If you take her  
fraction and multiply it by four  
you get thirteen. Can you guess  
what her fraction is?

How many centimeters are in 20 millimeters?

\_\_\_\_\_ centimeters

What time is 15 hours after  
5:00 p.m.?

\_\_\_\_\_

Write a letter that has a line  
of symmetry. Write whether it  
has a horizontal, vertical, or  
both horizontal and vertical  
lines of symmetry.

\_\_\_\_\_

In the number 73,962,458, the digit 3 is in  
what place?

\_\_\_\_\_



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

Can 935 be evenly divided by 5? Circle:  
935 is NOT evenly divisible by 5  
935 is evenly divisible by 5

Megan has two favorite numbers. If you add her favorite numbers, you get 22. If you multiply her favorite numbers, you get 57. What are her mystery numbers?

\_\_\_\_\_

For 613,542,633, write the digit that is in the hundred thousands place.

\_\_\_\_\_

Draw a shape that has between four and seven lines. The shape should have at least one line of symmetry. Show the line of symmetry using a dotted line.

$$10 \times 12 =$$

Hannah was given four numbers: 4, 5, 9, and 3. She needs to use two of these numbers to make a fraction. Can she make a fraction that is less than three-fourths?

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

four hundred five thousand, eight hundred thirty-one

\_\_\_\_\_

Write the missing family fact.

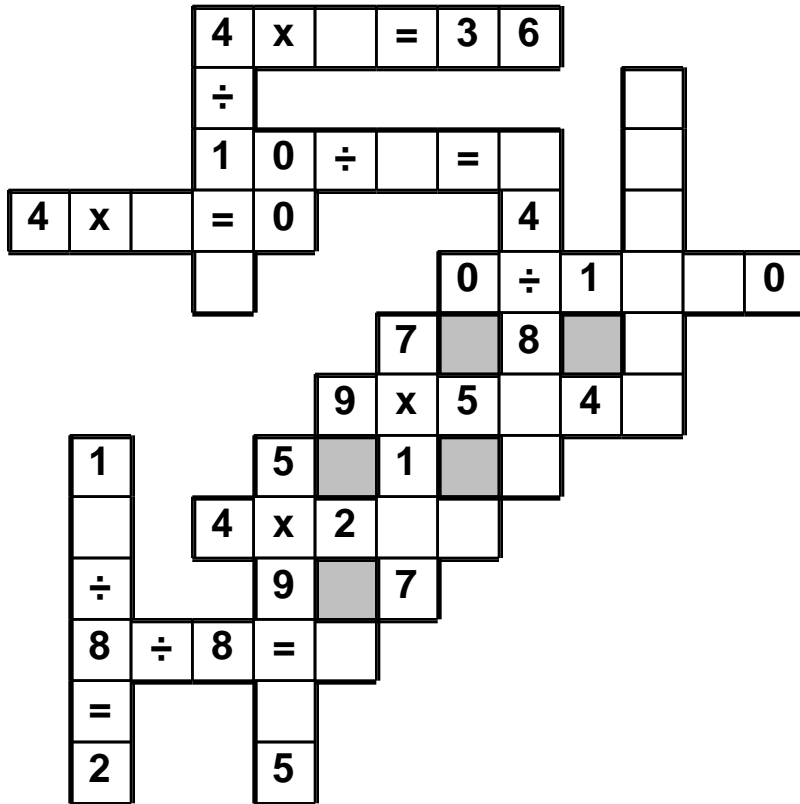
$$\begin{aligned} 3 \times 29 &= 87 \\ 87 \div 3 &= 29 \\ 29 \times 3 &= 87 \end{aligned}$$

\_\_\_\_\_

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

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



Write 9,561 in words.

\_\_\_\_\_

Which is the smallest?

88.3 ÷ 2.5      88.3 ÷ 2.4      88.3 ÷ 2.3

Insert a comma in the correct place in this sentence.

I haven't met you before have I?

12 x 5 =

Circle the correct answer.

I (have/halve) a surprise for you!

Cross out all of the prepositional phrases in the sentence.

I came to school at the crack of dawn to take a test about fractions.

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$$10 \overline{) 180}$$

$$14 \overline{) 168}$$

$$40 \overline{) 1120}$$

$$9 \overline{) 180}$$

$$4 \overline{) 80}$$

$$36 \overline{) 864}$$

$$6 \overline{) 48}$$

$$24 \overline{) 288}$$

How much greater is 175 than 49?

44, 55, \_\_\_\_\_, 77, 88,  
99, 110, 121

How many hundreds are in the number 22,000?

What is 15 less than 1,699?

Peter earns \$25 an hour. He worked 4 hours. How much did he make?

Round 153 to the nearest ten.

Write the first 8 multiples of 4.

$$5 \times \underline{\quad} = \underline{\quad} = 3 \times 15$$

$$10 \times \underline{\quad} = 90 = \underline{\quad} \times 3$$

$$4 \times 7 = \underline{\quad} = 2 \times \underline{\quad}$$

$$4 \times \underline{\quad} = \underline{\quad} = 8 \times 6$$

$$10 \times \underline{\quad} = 30 = \underline{\quad} \times 15$$

$$589 + 8 =$$

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Which of the following fractions when added to  $\frac{2}{4}$  is  $1\frac{1}{3}$ ?

$$\frac{7}{8}$$

$$\frac{2}{3}$$

$$\frac{6}{9}$$

$$\frac{5}{6}$$

$$\frac{1}{2}$$

Which digit is in the ten thousands place in the number 816,534,297?

Write the number that this digit represents.

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Circle the bigger number. Put a square around the smaller number.

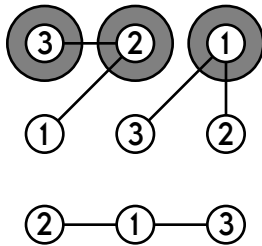
192.5 hundredths

5.3 thousandths

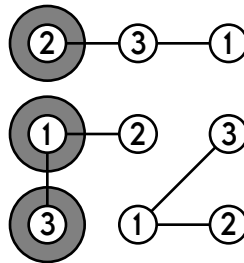
Sally bought a kit to make fidgets. The box says that you can make up to 394 fidgets, so that would be the most she could make. Sally tried to make one. It took her 32 seconds to make. How many fidgets can she make in an hour? Assume she takes a 15-second break after making each fidget.

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

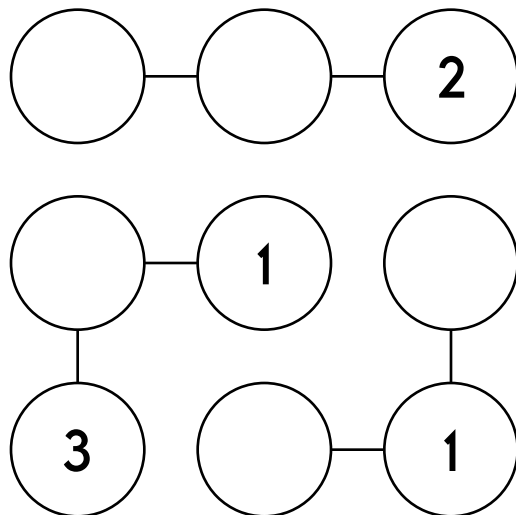
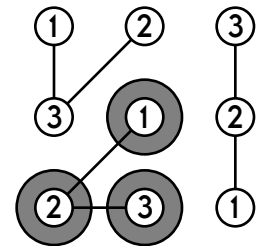
Each column must contain different numbers.



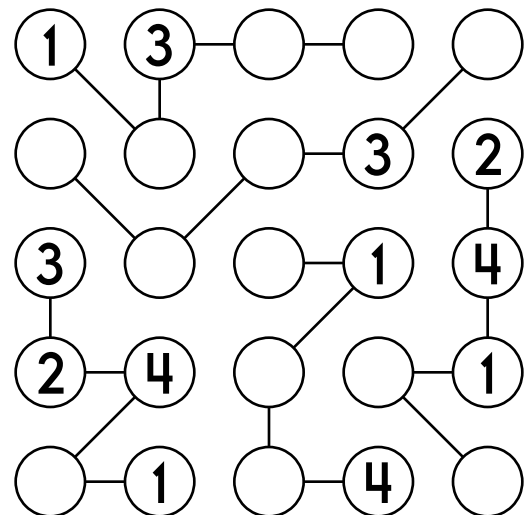
Each row must contain different numbers.



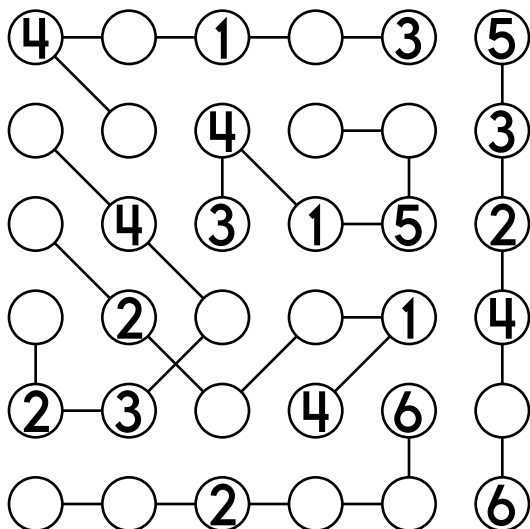
Each connected group must contain different numbers.



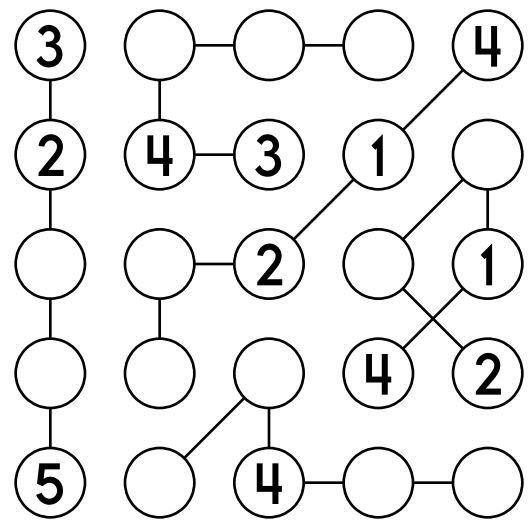
Use the numbers 1 through 3.



Use the numbers 1 through 5.



Use the numbers 1 through 6.



Use the numbers 1 through 5.

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Each box needs a number from 1 to 9. You may re-use numbers.

	sum of 7 ↓	sum of 8 ↓	sum of 7 →				
sum of 4 ↓			sum of 9 →	3			
				sum of 7 →			
		2	sum of 4 ↓	sum of 9 →			sum of 5 ↓
		sum of 10 ↓		sum of 10 →	4	5	1
	sum of 8 →						
sum of 7 →				sum of 10 →			3
			sum of 5 →				

	sum of 9 →						sum of 10 ↓
	sum of 6 →			sum of 6 →		1	
sum of 7 →						sum of 5 ↓	
sum of 8 →		1				sum of 5 ↓	2
	sum of 5 ↓		sum of 7 ↓	sum of 3 →	2		sum of 5 ↓
sum of 7 →			1		1		
		sum of 10 →			2		
		sum of 4 →					

What is the sum of 17.5 and 4.5?

$$14.8 - 1.29 =$$

$$\begin{array}{r} 8.2 \\ - 4.61 \\ \hline \end{array}$$

In the parking lot there are 12 vehicles. There are 4 SUVs. What fraction of the vehicles are not SUVs?

There are 4 groups of 5 rocks. How many rocks?

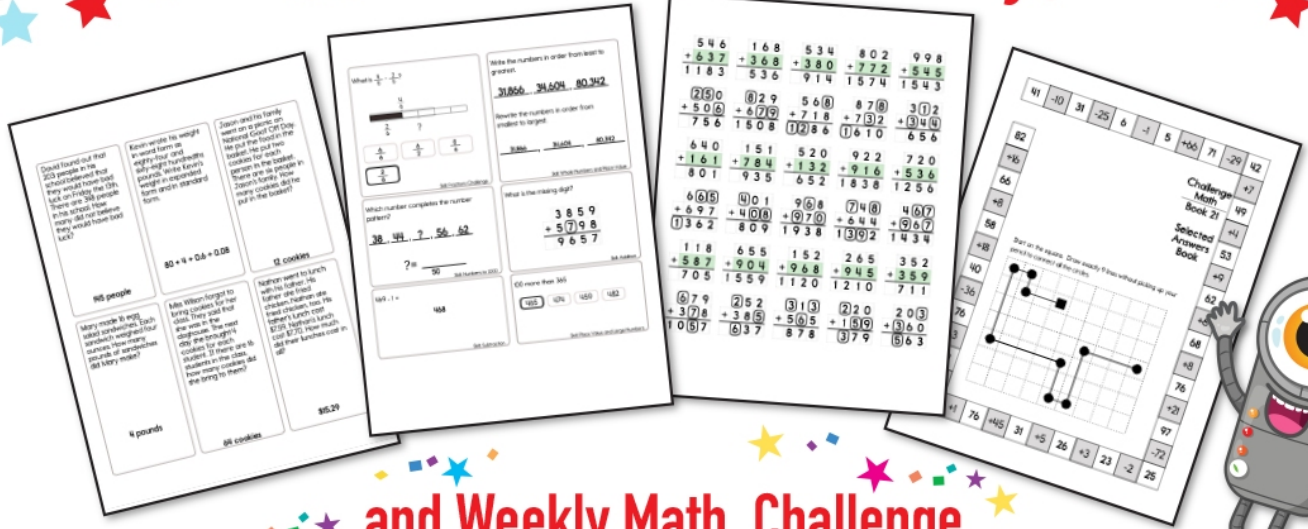
33, 44, \_\_\_\_\_, 66, 77,  
88, 99, 110, 121

Is 35 a composite or a prime number?

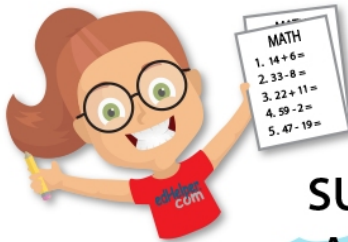
A, E, I, M, \_\_\_\_\_, U, Y

Double the number 11 three times.

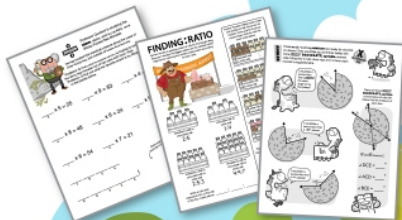
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