

Fun Math

Name: _

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.

Every row must contain the numbers 1, 2, 3, 4, 5, and 6.

Every column must contain the numbers 1, 2, 3, 4, 5, and 6.

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

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

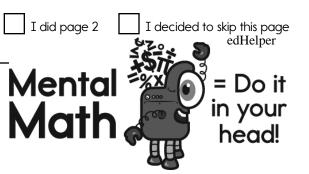
| 9+ | 10+ | 4- | | 3 | 2- |
|----|-----|----|-----|----|----|
| | | | | | |
| | | | 3 | 6+ | |
| | | | | | |
| 5- | 9+ | 3 | 9+ | | |
| | | | 2 | 4 | |
| | | 2- | | | 3 |
| | | | | | |
| 2- | | | 13+ | | |
| | | | | | |
| 6+ | | | 15+ | | |
| | | | 4 | | |

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

| 6= 2 | 2 += 9 |
|---------------------------------|---------|
| + 4 += 6 | 4 += 15 |
| <u> + 5 + = 13</u> | 3= 2 |
| ++ 2 = 10 | 1 = 5 |

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?



| imagine 8 in your head | imagine 6 in your head | imagine 8 in your head | imagine 8 in your head |
|---------------------------------------|---------------------------|---------------------------|---------------------------|
| add 4 | add 5 | double it | add 8 |
| multiply 6 | double it | subtract 6 | double it |
| | add 2 | subtract 9 | subtract 9 |
| | | add 4 | |
| Add the tens digit to the ones digit. | | | |
| Write the sum. | Write the ones digit. | Write the number. | Write the ones digit. |
| | B | <u> </u> | |

What is the sum? A + B + C + D

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

_____y_-__e

| 8 before 13 | 3 after 16 | 6 before 11 |
|-------------|------------|-------------|
| 7 before 16 | 6 after 17 | 3 before 19 |
| 2 before 14 | 8 after 18 | 1 before 18 |
| 4 before 15 | 7 after 19 | 9 before 17 |

| NT | I did page 3 I decided to skip this page edHelper |
|--|---|
| Name: Proteins are made from linear sequences of amino acids. How many different proteins could be made from the amino acids phenylalanine, glutamic acid, and lysine? | About how many times can a piece of wire that is nineteen centimeters long be wrapped around a wooden dowel that is half of a centimeter in diameter? Round your answer to the nearest whole number. |
| Computer sales at Big Company are down this year. In fact their net profit so far is -2,210,000 dollars (in other words, it is a loss, not a profit). Things are looking better for the company. In fact, Big Company just started making a profit of \$288,000 per month. If the company can keep up this rate of monthly profit, how may months will it take to erase the loss plus show a net profit of at least \$377,000? | A massive dormitory was built on the campus of EdHelper States University. The dormitory consisted of two wings with nine floors per wing. Each floor has twenty rooms. Half of the rooms were private rooms. The remaining rooms were doubles, housing 2 students each. How many students will be lucky and have single rooms in the new dormitory? |
| Molecule X is formed at a rate of 14.3 billion molecules per second. Chemical Y is formed at a rate of 6.9 billion molecules per second in the same flask. How many more molecules of type X would be formed after 3.4 seconds? | At the local woodworking supply shop unfinished oak boards cost \$3.98 per board foot. A board foot is a piece of wood 12 in by 12 in by 1 in. How much would an unfinished oak board cost if it was six inches wide, one inch thick and seven feet long? |

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|--|-------------------------------|
| Cross off the letter that does NOT belong. | |
| S, D, S, D, S, D, S, D, S, D | |
| | |
| | |
| Why does not belong in the pattern? | |
| Cross off the number that does NOT belong. | |
| 10, 14, 18, 24, 30, 38, 46, 56, 66, 78, 90, 104, 106, 118, 134 | |
| | |
| | |
| | |
| Why does not belong in the pattern? | |
| | |

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| Name: | | |

On May 5, 1961, Alan Shepard became the first American in space. His flight lasted 15 minutes, 28 seconds, and he reached an altitude of 116 miles above the Earth. On May 5 of this year, how many days ago was it that Alan Shepard went into space? To make this easier, just assume 365 days per year and ignore leap days.

How many seconds did Shepard's flight last?

There are 0.62 miles in 1 kilometer. How many meters above the Earth did Shepard orbit?

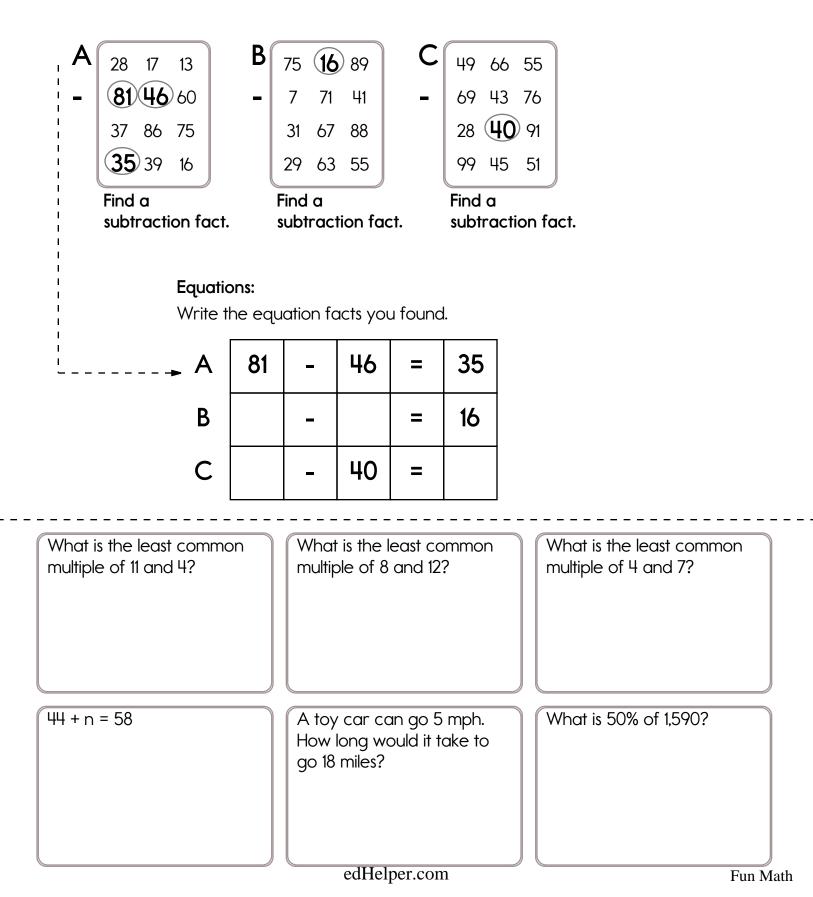
| Name: | | | Id | lid page 6 I decided to skip this page edHelper |
|------------------------------------|---------------------|--|---------------------|--|
| | numbers that ar | e less than 5.2. | | |
| <u>44</u> 8 | $\frac{33}{6}$ | 7/2 | 5 4 9 | |
| <u>18</u> 3 | 5 4 6 | <u>32</u> 5 | <u>34</u> 6 | |
| <u>11</u> 2 | <u>28</u> 6 | <u>25</u> 4 | $5\frac{1}{8}$ | |
| 5.11 | 5.110 | 5.06 | 5.03 | 0 |
| | | | | |
| $12 + \frac{2}{3} - \frac{2}{3}$ | | Reduce <u>104</u> to i terms. | its lowest | Reduce $\frac{2}{32}$ to its lowest terms. |
| How many mete there in 78 kilom | | How much time is 9:00 a.m. to 10:35 | | A toy car can go 5 mph. How long would it take to go 12 miles? |
| 88 ÷ 11 = | 66 ÷ 11 = | 26 kg = | = | g |

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|--------------|---|
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| Name: | | | | | |
|---|----------------|------------------|-------------------------------|--|--|
| Ready to draw a face? First draw the eyes by drawing two right triangles. Now for the | | | | | |
| mouth. Draw a trapezoid for the mouth. Draw a octagon for the nose. Now have fun | | | | | |
| and finish the face! | | | | | |
| | | | | | |
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| | | | | | |
| | Round 65,817 | to the nearest | 8+6-4+4 | | |
| Write $\frac{4}{8}$ in lowest | hundred. | | | | |
| terms. | | | | | |
| | | | | | |
| | | | | | |
| 64 ÷ 8 + 10 | What is 50% of | of 111122 | | | |
| 04 - 0 - 10 | | 1,142? | $5\frac{1}{3} + 6\frac{2}{3}$ | | |
| | | | 5 5 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| How many yards are in 27 feet? April rolls a die. What is the | | | | | |
| yards | | chance of her ro | biling a 5? | | |
| , | | | | | |

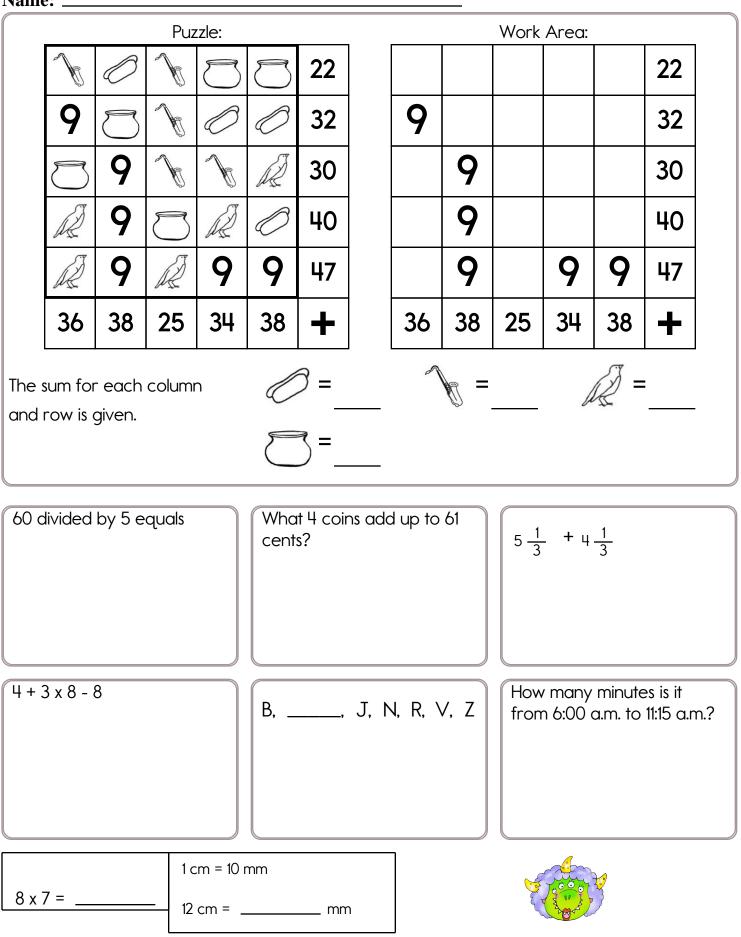
Name: .

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



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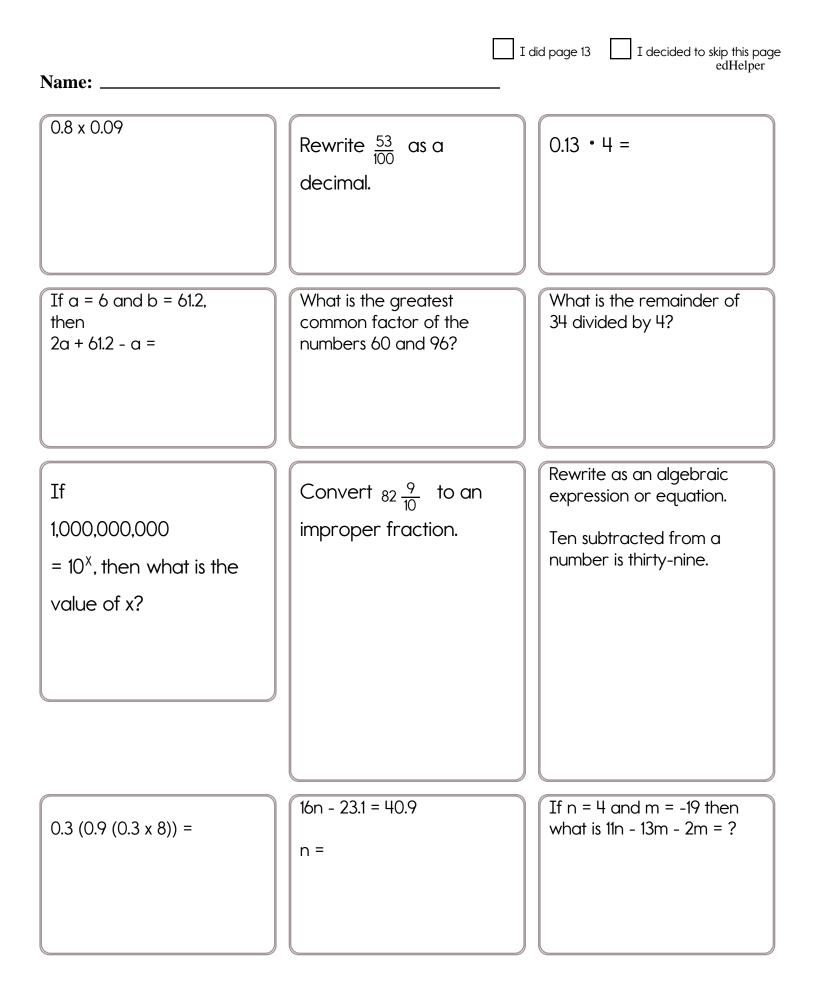




| Name: | | I did page 10 | I decided to skip this edHelp |
|---|---|------------------------|-------------------------------|
| Pay the bill! | | | |
| Nathan received a bill for | NATHAN | | 1593 |
| his cellphone from Mobile Unlimited for \$54.65. Write the check as Nathan would write it. | PAY TO THE ORDER OF | DATE | \$ DOLLAR8 |
| | мемо 1:9922148431: | | 1593 |
| Pay the bill! | | | |
| Nathan received a bill from Central Water for \$154.15. | NATHAN | DATE | 1594 |
| Write the check as Nathan would write it. | PAY TO THE | | \$ dollars |
| | мемо I: Я Я 2 2 1 4 8 4 3 I: | | 1594 |
| What is the number that is 11 less than 5? | 3 - 2 - 2 = | 6 - 11 = | |
| Write the missing family fact. 171 ÷ 9 = 19 9 x 19 = 171 171 ÷ 19 = 9 | How many meters are there in 126 kilometers? | Round 12, nearest t | 305 to the housand. |

| | [| I did page 11 I decided to skip this page edHelper |
|---|------------------------|---|
| Name: | | - |
| Pay the bill! Rent is due. Amanda needs to pay her landlord | AMANDA | 1278 Date |
| \$2,500. | PAT TO THE ORDER OF | \$ |
| Her landlord's name is | | |
| April Martin. | | DOLLARS |
| | мемо I:995590088I: | ⊪°65303⊪° 1278 |
| Pay the bill! | | |
| Amanda needs money. She wants to get \$120 in | AMANDA | 1279 date |
| cash, so she writes a check | PAY TO THE ORDER OF | \$ |
| payable to cash in this | | DOLLARS |
| amount. Write this check. | мемо I:995590088I: | ₩65303# 1279 |
| Round 96,557 to the nearest hundred. | 9 x 16 ÷ 2 | 108 divided by 12 equals |
| $3\frac{2}{3} + 5\frac{1}{3}$ | $7 \div \frac{1}{4}$ | How many centimeters in 8.6 meters? |

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| Name: | | curresper |
| In what quadrant would you find the point (11, -2)? | 5 x 49 ÷ 7 - 27 ÷ 9 = | 6.8971 x 10 ³ = |
| The letter p is used to represent power points in a game, which can range from 632 to 1,578 points. Express this as an inequality. | Crazy Adam had pizza 21 days in the month of January. What percent of the month did he have pizza? | (7 + 13 + 4) = |
| Circle the percentage that is closest to 34 out of 53: 6% 94% 67% | p - \$55 = \$25 What is the value of p? | If x = -5 and s = 53 then what is 10x - 10s + 3s = ? |
| Simplify. $\frac{81}{162} =$ | 30, 40,, 60, 70, 80, 90, 100 | 12 + 96 ÷ 12 |
| y = x + 12 y = 22 What is the value of x? | t - 13 + 10 = 16 What is the value of t? | 28 ÷ 7 + 7 |
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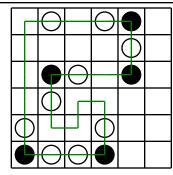
Samantha is planning to drive to Erin's house. She hasn't seen Erin since last summer. Her house is 138 miles away. The gas tank on Samantha's car can hold 16 gallons of gas. On average the car will go 25 miles on one gallon of gas.

Right now the gas tank is showing that it is one-third full (or two-thirds empty!).

Can Samantha make it to Erin's house without getting gas first? Do you think she should get gas?

Show your work.

Name:

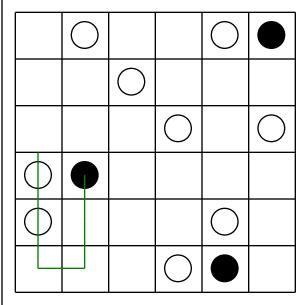


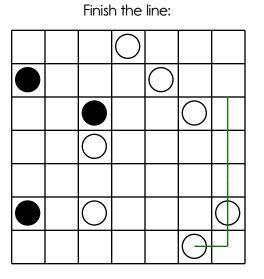
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

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:





| 92 <u>-27</u> | You have four digits to use in an addition problem: 6, 1, 1, and 5. Make up a problem where you have two 2-digit | 856 + 222 = _ | |
|-------------------------|---|------------------|--|
| | numbers. What is the largest sum you can make? | 44 <u>+47</u> | 5 x 9 = |
| | | | 8 x 6 = |
| | | | |
| Circle the sma | | | ger than Anne. Megan is Emma. Who's the youngest? |
| 49,731 1,304,296,712 | 6,058,258 34,057,689 | | Initia. Who's the youngest: |
| · | | | |

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Name: ____

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

| Emily has \$117.88. | he has 10 bills and 10 coins. How? | |
|---------------------|------------------------------------|--|
| | | |
| | \$20 | |
| $\bigcirc \bigcirc$ | | |

Max has \$25.42. He has 2 bills and 6 coins. How?

Rosa has \$36.19. She has 4 bills and 20 coins. How?

Nathan has \$37.11. He has 5 bills and 2 coins. How?

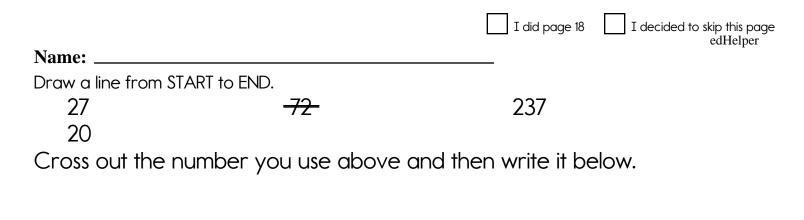
word root anti can mean against antibody, antifreeze

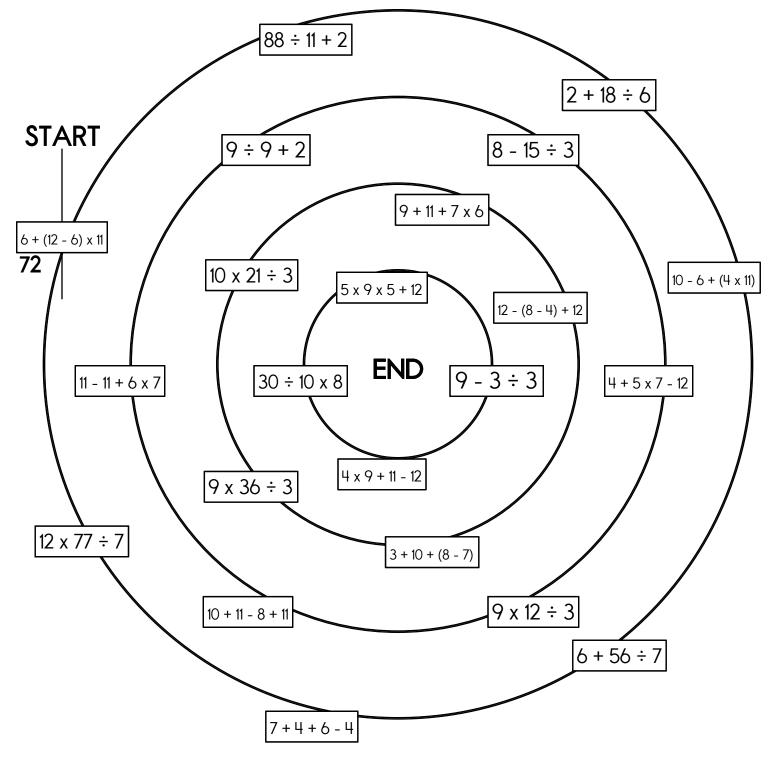
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| Name: | |
| Nathan's older brother is in the United States Navy and is assigned to a submarine. Nathan's brother once told him that the submarine was 4 nautical miles offshore. How many standard miles was it offshore? Round your answer to the nearest tenth. (One nautical mile = 6,080 feet. One mile = 5,280 feet.) | The Market on the Square had to buy 20 new carts. The price of each cart was \$136.95 plus \$10 per cart to put the name of the market on the cart. If the manager of Market on the Square decides to buy 14 new carts with the name of the market and the rest without, what will the cost be? |

Г Г

Rose rode her bike for 30 minutes. She went 5.3 miles. What is her speed in miles per hour?

| | oup, use 4 of t | | | | | |
|----|-----------------|----|------------|-----|----|-------|
| 18 | 108 | 13 | 45 | 24 | 10 | |
| | | | | | | |
| 42 | 57 | 4 | 152 | 112 | 26 | |
| | | | | | | |
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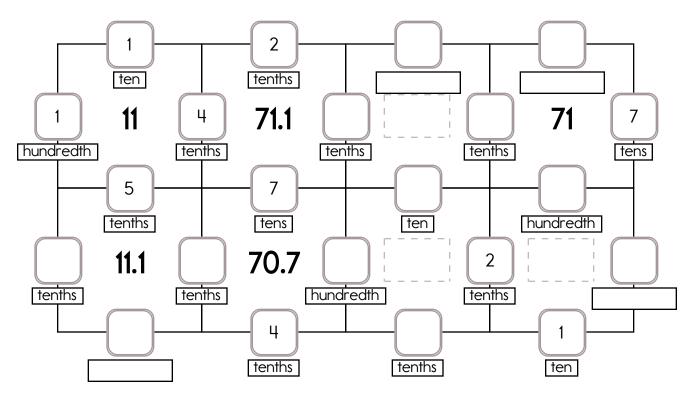


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| Name: | | |

Example: Example: 0.2 + 0.4 + 0.1 + 10 = 10.7 0.5 + 70 + 0.2 + 0.4 = 71.1 2 1 1 hundredth ten tenths Sample: 2 4 11 5 7 10.7 71.1 is the sum is the sum is the sum tenths tenths tenths tens 4 1 1 hundredth ten tenths

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

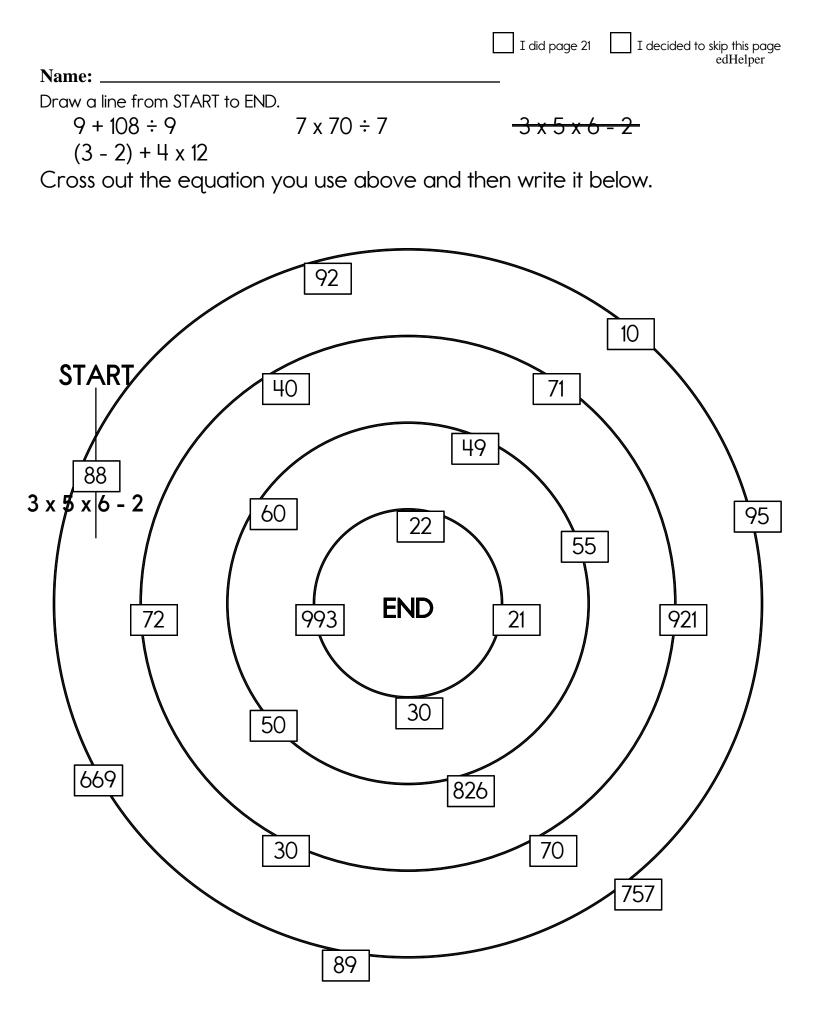
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 3 tens, 1 ten, or 7 tens. The other three numbers have to all be DIFFERENT and must be from these: 2 tenths, 1 hundredth, 5 tenths, or 4 tenths.





Write your own math problem here.

Ask the person who helped you to try to solve your problem.



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| | | - an ion por |

| Pick the correct answer using brain power. No writing. 0.3 x 0.4 is what? 12 or 0.12 or 0.012 0.19 x 0.2 is what? 0.0038 or 0.000038 or 0.038 0.08 x 0.2 is what? 0.016 or 0.16 or 1.6 1.12 x 0.11 is what? 0.000123 or 12.32 or 0.1232 Write as a decimal. 9 $9\frac{1}{100}$ Write as a decimal. $9\frac{1}{100}$ Write as a decimal. $9\frac{1}{100}$ Image: the percentage that is closest to 37 out of 70: 88% 15% 36% $3 \times 11 =$ $24 \div 8 =$ $100 \div 10 =$ $3 \times 11 =$ $24 \div 8 =$ $100 \div 10 =$ | Name: | | | | | <u>-</u> | | |
|--|----------------------|--|----------------|-------------------|---------------------|----------|--|--|
| 0.19 x 0.2 is what? 0.0038 or 0.000038 or 0.038 0.08 x 0.2 is what? 0.016 or 0.16 or 1.6 1.12 x 0.11 is what? 0.000123 or 12.32 or 0.1232 Write as a decimal. 9 to 100 to 10 | Pick the correct and | swer using | brain pow | ver. No writing. | | | | |
| 0.08 x 0.2 is what?0.016 or 0.16 or 1.61.12 x 0.11 is what?0.000123 or 12.32 or 0.1232Write as a decimal. 32×10^{-10} 9 $\frac{1}{100}$ Write as a decimal. $\frac{9}{100}$ $\frac{1}{9} \times 18^{-10}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% $\frac{9}{100} \times 18^{-10}$ What is the value of x? $\frac{1}{9} \times 18^{-10}$ What is the value of x? $\frac{1}{9} \times 18^{-10}$ | | 0.3 x 0.4 is what? 12 or 0.12 or 0.012 | | | | | | |
| 1.12 x 0.11 is what? 0.000123 or 12.32 or 0.1232 Write as a decimal. 9 $g_{1\overline{00}}$ Write as a decimal. Six and five hundredths $\frac{8}{10}$ Circle the percentage that is closest to 37 out of 70: $y = x + 18$ $y = 26$ What is the value of x? What is the value of x? $2h + 13 - 6h = -3$ | 0.19 | x 0.2 is v | what? | 0.0038 or 0.000 | 038 or 0.038 | | | |
| Write as a decimal. $9\frac{1}{100}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% 21 + 9 = Write as a decimal. Write as a decimal. 8m 15% 36% 21 + 9 = | | 0.08 x | 0.2 is wh | nat? 0.016 or 0. | 16 or 1.6 | | | |
| Write as a decimal.Six and five hundredthsWrite as a decimal. $9\frac{1}{100}$ Six and five hundredths $\frac{8}{10}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% $y = x + 18$ $y = 26$ What is the value of x?What is the value of h? $2h + 13 - 6h = -3$ 21 + 9 =21 + 9 = | 1.12 | 2 x 0.11 is | what? | 0.000123 or 12.3 | 2 or 0.1232 | | | |
| Write as a decimal.Six and five hundredthsWrite as a decimal. $9\frac{1}{100}$ Six and five hundredths $\frac{8}{10}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% $y = x + 18$ $y = 26$ What is the value of x?What is the value of h? $2h + 13 - 6h = -3$ 2h + 13 - 6h = -32h + 13 - 6h = -3 | | | | | | | | |
| Write as a decimal.Six and five hundredthsWrite as a decimal. $9\frac{1}{100}$ Six and five hundredths $\frac{8}{10}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% $y = x + 18$ $y = 26$ What is the value of x?What is the value of h? $2h + 13 - 6h = -3$ 21 + 9 =21 + 9 = | | | | | | | | |
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| $9\frac{1}{100}$ $\frac{8}{10}$ Circle the percentage that is closest to 37 out of 70: 88% 15% 36% $y = x + 18$ $y = 26$ What is the value of x?What is the value of x? $2h + 13 - 6h = -3$ | Write as a decima | ıl. | | | Write as a decim | al | | |
| Circle the percentage that is closest to 37 out of 70: 88% 15% 36% Un + 8 = | | | | ive hanareanns | | | | |
| is closest to 37 out of 70: 88% 15% 36% 2h + 13 - 6h = -3 2h + 3 - 6h = -3 | 100 | | | | IU | | | |
| is closest to 37 out of 70: 88% 15% 36% 2h + 13 - 6h = -3 2h + 3 - 6h = -3 | | | | | | | | |
| 88% 15% 36% 2h + 13 - 6h = -3 | | | 1 1 | 3 | What is the value o | f h? | | |
| | 88% What is t | | he value of x? | 2h + 13 - 6h = -3 | | | | |
| <u>3 x 11 =</u> 24 ÷ 8 = 100 ÷ 10 = | | | | | | | | |
| 3 x 11 = 24 ÷ 8 = 100 ÷ 10 = | | | | | | | | |
| <u>3 x 11 =</u> 24 ÷ 8 = 100 ÷ 10 = | | | | | Aulle | ζ. | | |
| | 3 x 11 = | ∠4 ÷ 8 = | | 100 ÷ 10 = | | 2 | | |

| Name: | | edHelper |
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| Two-thirds of the students in the fourth grade at Geneva Elementary don't know the fable "Androcles and the Lion." If 104 students in the fourth grade don't know about "Androcles and the Lion", how many students are in the fourth grade at Geneva Elementary? | Yesterday it rained for 3 $\frac{1}{3}$ hours at Hannah's house. She got to use her new pink umbrella. At Megan's house it only rained for 2.5 hours. How much longer did it rain at Hannah's house? | Some fifth graders took a survey asking students whether they felt a lot of stress, a little stress, or no stress. The survey showed that $\frac{2}{5}$ felt a lot of stress, $\frac{1}{2}$ felt a little stress, and $\frac{1}{10}$ felt no stress. There were 6 students that felt no stress. How many students took the survey? |
| Adam is buying bags of pretzel sticks and twisted pretzels. There are 24 pretzel sticks per bag and 20 twisted pretzels per bag. What is the least number of bags of pretzels he can buy to have the same number of each type of pretzel? | Mr. Martin bought a bottle of 100 licorice capsules. Each capsule weighed 400 mg. How many ounces of licorice capsules did she buy? Round your answer to the nearest hundredth of an ounce. (Hint: 1 gram = 0.0352 ounce) | Sara looked at the prices of the fancy pens and quickly estimated (to the nearest dollar) the cost of a typical fancy pen. The prices were \$2.15, \$2.48, and \$6.22. What is the cost of a typical fancy pen, and how did she do it? |

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Name: _____

Find 2 equations hidden in each box. Good luck!

| 25 Write 2 equations: | edHelper. | x 4 | 54 |
|---------------------------------|-------------|-------------------------|---------------------|
| 6 _{x7} 7x2 | | | 7 x 8 2 + 9 |
| 6 | ۹ · 15 | + 3 42 | 14 7 x 9 |
| Write 2 equations: | | | |
| 13 4 x 8 | 4 + | • | ¹² 1 x 1 |
| 7 x 4 | 21 3 | 9 _{×3} | 7 |
| 5 <i>1</i> 1 | 32 21 3 | 4 x ⁴ | 9 72 |
| Write 2 equations: | | | |
| 13 | 2 x 9 | 14 | 24 |
| 6 x 6 30 | 2 7 x 7 | 3 + 4 | 36 |
| 7 x 9 6 x 6 | 8 + 4 32 | 8+5 | 6 1 |

Name: ____

Find 2 equations hidden in each box. Good luck!

| 4 x 8 5 x 1 | ^{6 x 7} 3 x 1 | 4 x 6 5 |
|-----------------------------------|-------------------------------|------------------------|
| 3 x 3 3 + 9 | <i>28</i> 15 | 7 x 7 16 |
| 11 2 Write 2 equations: | 4 5 49 | |
| 5 x 5 1 x 9 | 49 8 x 5 81 | 20 |
| 1 X 7 12 | 3 + 9 7 x 9 | 28 7 x 5 |
| 35 | 1 x 1 | 6 |
| Write 2 equations: | <u> </u> | 15 |
| 2+9 9x3 2 | 63 7 _{x6} 0+2 | 15 48 |
| 8+9 | | 45 64 ¹⁷ |
| 4 Write 2 equations: | 9 x 4 edHelper.com | 1 x 1 |



