

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.

| | | | | | |
|-----|----|----|----|----|----|
| 2- | 4 | 9+ | | | 5+ |
| 10+ | | | 1- | 1- | |
| 5+ | | 4- | | | 4 |
| 9+ | | | 2- | | 4- |
| 5 | 7+ | 7+ | 2- | | |
| 2 | | | 2- | 5 | 6 |

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

$$6 - \underline{\quad} = 1$$

$$\underline{\quad} + 4 = 7$$

$$3 + \underline{\quad} = 5$$

$$5 - \underline{\quad} = 4$$

$$6 + \underline{\quad} = 7$$

$$\underline{\quad} + \underline{\quad} + 1 = 9$$

$$\underline{\quad} - 4 = 2$$

$$2 - \underline{\quad} = 1$$

Name: _____

$$7 \overline{) 2730.7}$$

$$8 \overline{) 335.2}$$

$$5 \overline{) 377.5}$$

$$4 \overline{) 1167.6}$$

$$9 \overline{) 708.12}$$

$$6 \overline{) 46.452}$$

$$t - 22 + 8 = 11$$

What is the value of t?

$$0.2 (0.3 (0.2 + 6)) =$$

$$0.10 \cdot 7 =$$

The letter p is used to represent power points in a game, which can range from 264 to 1,002 points. Express this as an inequality.

6, 23, _____, 39, 72,
121, 232, 425, 778, 1435,
2638, 4851, 8924

If $c = 9$, $v = -6$, and $s = 5$ then what is $c + v + s$?



Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

What is the greatest common factor of the numbers 128 and 112?

The letter V has an unknown value. If you multiply V by eight, the product is four. What value does V have?

$$48 \div 4 + 12$$

$$\frac{3}{7} \times \frac{7}{12}$$

C, V, C, V, C,
_____, C, V, C, V

Rewrite $\frac{11}{100}$ as a decimal.

A circle graph has four sections. Only three sections are labeled. The labels are 25%, 28%, and 21%. What should the missing section be?

What is the perimeter of a rectangle with a length of 50 centimeters and a width that is $\frac{1}{5}$ the length?

Rewrite as an algebraic expression or equation.

Two thousand, six hundred seventy-five minus the product of w and 41.7.

$$|-13| - p = 6$$

$$p =$$

$$1 \times 8 - 2 + 11 \times 5$$

$$8 \times 8 \times 8 \times 8 = 8^x$$

What is the value of x?

Name: _____

Each box needs a number from 1 to 9. You may re-use numbers.
One set of sums has been done for you.

| | | | | | | | |
|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|
| sum of 10 ↓ | | | sum of 7 ↓ | | sum of 6 ↓ | | sum of 7 ↓ |
| 1 | | sum of 8 → | | | | | |
| 5 | sum of 6 ↓ | sum of 10 ↓ | | sum of 10 ↓ | | sum of 4 ↓ | |
| 4 | | | | | | | sum of 5 ↓ |
| | | | | | | | |
| sum of 10 → | | | | sum of 6 → | | | |
| | | sum of 9 → | | | | | |
| sum of 7 → | | | | | | | |

| | | | | | | | |
|----------------|---------------|---------------|----------------|----------------|---------------|----------------|---|
| sum of 6 → | | | sum of 5 → | | | | |
| sum of 10 → | | | | sum of 6 → | 1 | 3 | 2 |
| | sum of 9 ↓ | sum of 6 ↓ | sum of 10 → | | | | |
| sum of 6 → | | | sum of 7 ↓ | sum of 4 → | | | |
| sum of 7 ↓ | | | | | sum of 4 → | | |
| | | | | | | sum of 10 ↓ | |
| | | | | sum of 11 → | | | |
| | | | sum of 10 → | | | | |

Can 701 be evenly divided by 5? Circle:
701 is evenly divisible by 5
701 is NOT evenly divisible by 5

$$1 \text{ cm} = 10 \text{ mm}$$

$$21 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$\begin{array}{r} 57 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 342 \\ + 442 \\ \hline \end{array}$$



Can 360 be evenly divided by 8? Circle:
360 is evenly divisible by 8
360 is NOT evenly divisible by 8

If you divide 66 by 4, you get a remainder of 2.
Make up three other different equations where you divide by 4 and get a remainder of 2.

Name: _____

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

120, 130, 140, 150, _____, 170, 180, 190

30, 40, _____, _____, 70, 80, _____

90, 100, _____, 120, 130, _____

_____, _____, 90, 100, _____, _____, 130, 140

Complete each pattern. Write what the rule is.

| | | |
|-----|-----|-----|
| 132 | 121 | 110 |
| 99 | | 77 |
| 66 | | 44 |
| 33 | | 11 |

Name: _____

James' dimes and quarters total \$20.40. If the dimes were replaced by nickels then he would have \$19.20. How many of each coin does he have?

Kaitlyn has a total of thirty-one quarters and dimes. She has eleven more dimes than quarters. How much money does she have?

Brandon has a total of eighteen dimes and quarters. He has ten more quarters than dimes. At the mall, Brandon spent four dimes and ten quarters. How much money does he have left?

Kaylee's nickels total \$3.15 more than her pennies, of which she has one-fifth as many as she has dimes, which total \$4.20 more than her nickels. How many of each coin does she have?

Name: _____

Christopher has a total of thirty-six nickels and dimes. If Christopher had ten more dimes, the total value of the coins would be \$3.80. How much money does he have?

James has nickels, dimes, and quarters. He has a total of \$34. He has three times as many dimes as nickels and one-half as many nickels as quarters. How many of each coin does he have?

Jacob has a total of one hundred ninety-five nickels, dimes, and quarters. He has two and a half times as many nickels as quarters and one-fourth as many dimes as quarters. How much money does he have?

Julia has a total of one hundred forty-two nickels, dimes, and quarters. She has a total of \$18.14. She has fourteen more quarters than dimes and fifteen fewer quarters than nickels. How many of each coin does she have?

Name: _____

What is the square of 6?

- 30
- 36
- 48
- 12
- 216

$55 : 5 = 44 : \underline{\hspace{1cm}}$

4

$\underline{\hspace{1cm}} : 3 = 72 : 6$

36

Which ratio equals 91:119?

- 21:20
- 21:19
- 22:19
- 13:17

$2^0 + 2^1 =$

- 2
- 4
- 5
- 6
- 3

Which of the following is divisible by 3, 4, 5, and 6?

- 9,162
- 2,055
- 1,080
- 22,918

$96 + 96 + 96 + 96 + 18 + 18 + 18 + 18 + 18 =$

- 0
- 482
- 474
- 456
- 471

Which ratio equals 234:36?

- 26:4
- 24:4
- 2:14
- 13:4

Half the sum of two numbers is 36. One of the numbers is 20. What is the other number?

- 52
- 48
- 16
- 25

Circle the answer closest to 21 weeks.

- 205 days
- 138 days
- 108 days
- 103 days

$2^1 + 2^2 + 2^3 =$

- 8
- 14
- 13
- 11
- 5

Which ratio equals 114:24?

- 4:17
- 19:4
- 5:20
- 29:4

$1^1 + 1^2 + 1^3 + 1^4 =$

- 6
- 2
- 4
- 7
- 12

Which ratio equals 84:108?

- 22:20
- 16:12
- 14:18
- 14:19

Which of the following is divisible by 2, 3, 4, and 5?

- 11,702
- 7,039
- 360
- 21,528

Name: _____

$$\begin{array}{r} 8,445 \\ - 3,623 \\ \hline \end{array}$$

$$\begin{array}{r} 44,611 \\ - 14,030 \\ \hline \end{array}$$

$$783 - 3694 =$$

$$\begin{array}{r} 195 \\ - 147 \\ \hline \end{array}$$

Find the difference
between 664 and 190.

$$\begin{array}{r} 52,870 \\ - 37,802 \\ \hline \end{array}$$

$$\begin{array}{r} 516 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 9,561 \\ - 504 \\ \hline \end{array}$$

$$\begin{array}{r} 704,382 \\ - 7,518 \\ \hline \end{array}$$

$$12 \times 65 =$$

$$\begin{array}{r} 65,481 \\ 31,948 \\ + 26,832 \\ \hline \end{array}$$

$$70 \overline{) 527}$$

Divide and write remainder.

Find the difference
between 8983 and 5995.

$$\begin{array}{r} 519 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 91 \\ \hline \end{array}$$

Name: _____

$$\begin{array}{r} 2.87 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9.09 \\ \times 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 4.19 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2.87 \\ \times 5.2 \\ \hline \end{array}$$

$$\begin{array}{r} 13.8 \\ + 12.36 \\ \hline \end{array}$$

Write the decimal number
for:

nine hundred fifty-six and
six ten-thousandths

Rewrite as a vertical
equation and solve.
 $5.74 - 4.13 =$

$$29 \overline{) 82.07}$$

$$0.021 \overline{) 0.5082}$$

Rewrite as a vertical
equation and solve.
 $145.4 + 145.4 + 885.6$

Use $>$, $<$, or $=$ to complete.

$$387.8 \underline{\hspace{1cm}} 382$$

$$16.57 \underline{\hspace{1cm}} 16.3$$

$$408 \underline{\hspace{1cm}} 404.47$$

$$365.23 \underline{\hspace{1cm}} 361$$

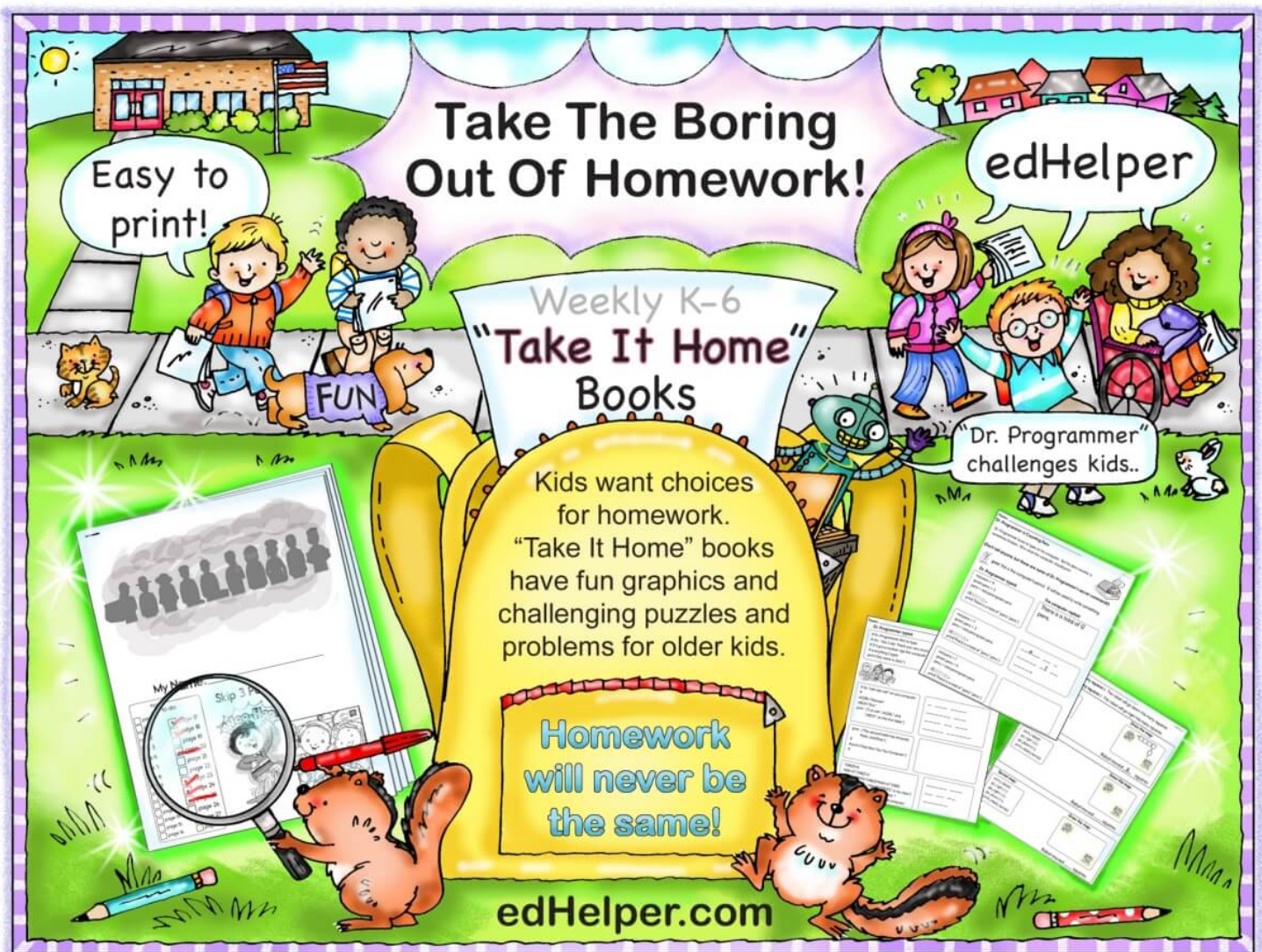
$$8.610 \underline{\hspace{1cm}} 8.61$$

$$20.3 \underline{\hspace{1cm}} 20.65$$

$$5.38 \underline{\hspace{1cm}} 5.380$$

Rewrite as a vertical
equation and solve.
 $9.242 - 5.8 =$





Name: _____

Find 2 equations hidden in each box. Good luck!

$9 + 1$ 8 $6 + 2$ $6 + 9$
 14 12
 18 3 17 $8 + 6$
 $6 + 7$

Write 2 equations: _____

$7 - 5$ $4 - 3$
 4 1 $9 - 1$
 9 3 $5 - 2$

Write 2 equations: _____

0 6×1 30 1×1 54
 48 5×7 18 45 6
 8×5 40 32 1×9
 7×2 12 9×3

Write 2 equations: _____

Name: _____

Give two answers for x in each equation.

$$|x + 12| = 6$$

$$|12 - x| = 1$$

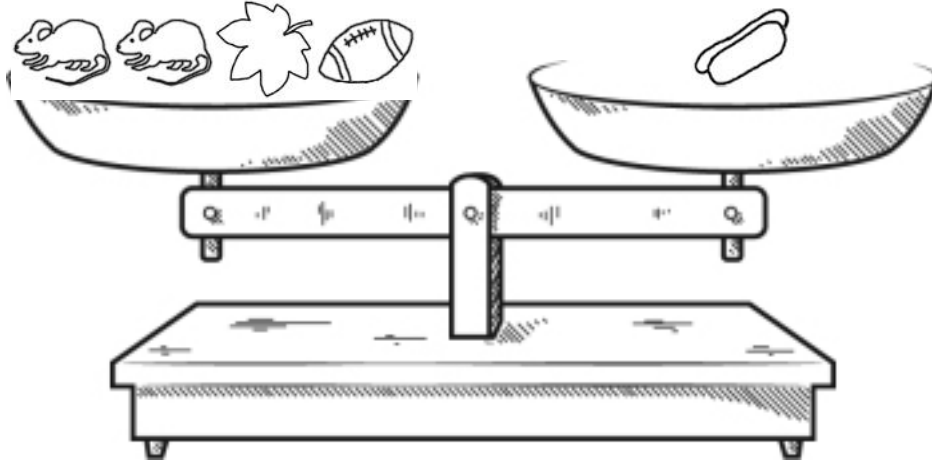
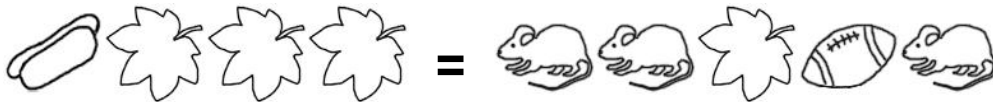
Figure out the greatest common factor of the following numbers:

16

8

84

Name: _____

☐ True☐ False☐ True☐ False☐ True☐ False☐ True☐ False☐ True☐ False☐ True☐ False

Did you find that two are true? If not, look again!
 You should only mark TRUE if you are absolutely sure it is correct!

Name: _____

377 exceeds three times a number by 83. What is the number?

Eight times a number, decreased by forty-one, equals seven. What is the number?

Twenty-two exceeds one-twelfth of a number by 13. What is the number?

Seven less than a number is fourteen. What is the number?

If ten is added nineteen times to a number, the result is 219. What is the number?

Eighty-four more than 8 times a number is 188. What is the number?

Name: _____

Five times a number is

$22\frac{1}{2}$. What is the
number?

A number minus 50 is
fifteen. What is the number?

Five-sixths of a number
equals 50. What is the
number?

Ten less than four-sixths of
a number equals 150. What
is the number?

If a number is decreased
by 40, the result is 16. What
is the number?

The sum of twenty-nine
and twenty-six is seventeen
more than a number. What
is the number?

Name: _____

Pay the bill!

Gavin needs money. He wants to get \$180 in cash, so he writes a check payable to cash in this amount. Write this check.

GAVIN

1805

DATE _____

PAY TO THE
ORDER OF\$

DOLLARS

MEMO _____

⑆991135742⑆

⑈59235⑈

1805

Pay the bill!

Gavin received a bill from Central Water for \$55.82. Write the check as Gavin would write it.

GAVIN

1806

DATE _____

PAY TO THE
ORDER OF\$

DOLLARS

MEMO _____

⑆991135742⑆

⑈59235⑈

1806

$$0.5 (0.6 (0.5 \times 9)) =$$

What is the value of h?

$$5h + 15 - 6h = -2$$

If $s = -9$ and $j = 40$ then
what is $4s + 9j + 4j = ?$

What is the remainder of
118 divided by 19?

$$|-6| - j = -1$$

$$j =$$

$26 - t + 7 = 12$
What is the value of t?

Name: _____

Complete each pattern. Write what the rule is.

376965, _____, _____, 965376, 696537, 769653, 376965,
537696, 653769, 965376, 696537, 769653, 376965, 537696

_____, _____, 63212, 26321, 12632, 21263, _____,
63212, 26321, 12632, 21263, 32126, 63212, 26321

What is the rule for each pattern?

86, 112, 74, 103, 62, 94, 50, 85, _____, _____, 26, 67, 14

52, 97, 46, 90, 40, 83, 34, _____, _____, 69, 22, 62, 16

23, 73, 21, 69, 19, 65, 17, _____, _____, 57, 13, 53

Name: _____

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| | | + | | + | | + | | = | |
| | A | | A | | ? | | A | | 32 |
| + | | C | | B | | B | | B | 19 |
| - | | | | | | | | | |
| | B | | A | | C | | B | | 23 |
| = | | | | | | | | | |
| | | 8 | | 5 | | 6 | | 9 | |

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$A + C - B = 8 \quad A + B - B = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 19 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 23$$

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

Additional hints:

$$B = C + 1 \quad C > 2$$

Solve:

$$? = \underline{\quad}$$

Name: _____

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: $4\frac{1}{8}$, $9\frac{3}{4}$, or $5\frac{1}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: $\frac{7}{8}$, $6\frac{1}{2}$, $3\frac{3}{8}$, or $7\frac{1}{2}$.

| | | | | | | |
|----------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|
| | $\frac{7}{8}$ | | | $7\frac{1}{2}$ | | |
| $5\frac{1}{4}$ | 16 | $3\frac{3}{8}$ | $21\frac{1}{2}$ | | $27\frac{1}{8}$ | $9\frac{3}{4}$ |
| | $6\frac{1}{2}$ | | | | | $3\frac{3}{8}$ |
| | $14\frac{7}{8}$ | | $21\frac{1}{2}$ | | $27\frac{1}{8}$ | 17 |
| | | | | | | |
| | $21\frac{1}{2}$ | | $21\frac{1}{2}$ | | $21\frac{1}{2}$ | $20\frac{1}{8}$ |
| | | | | | | |
| | $21\frac{1}{2}$ | | $24\frac{5}{8}$ | 19 | | |
| | | | | | | |
| | $15\frac{7}{8}$ | | 19 | | | |
| | | | | | | |

Name: _____



$__ \times 2 = 6$

$8 \times __ = 24$

$__ \times 5 = 25$

$8 \times __ = 64$

$__ \times 2 = 16$

$4 \times __ = 20$

$4 \times __ = 16$

$__ \times 6 = 30$

$7 \times __ = 21$

$__ \times 2 = 18$

$__ \times 3 = 18$

$4 \times __ = 8$



$10 \times 5 =$

$3 \times 12 =$

$7 \times 4 =$

$5 \times 4 =$

$11 \times 10 =$

$4 \times 5 =$

$2 \times 12 =$

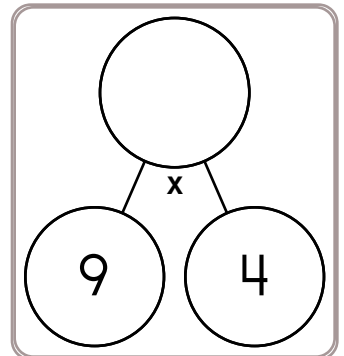
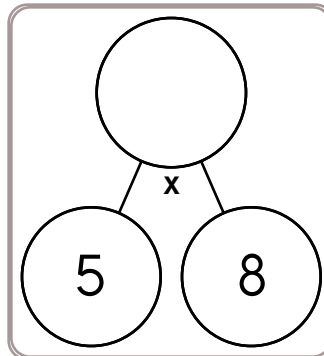
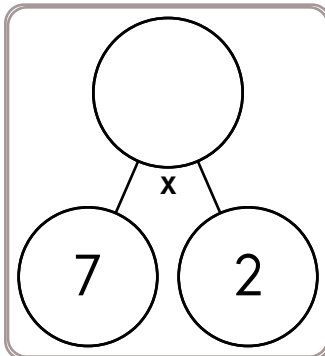
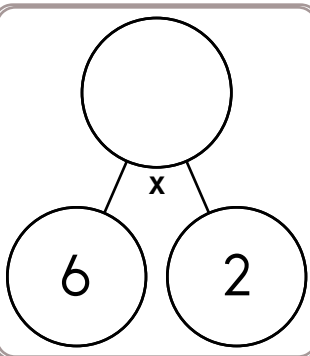
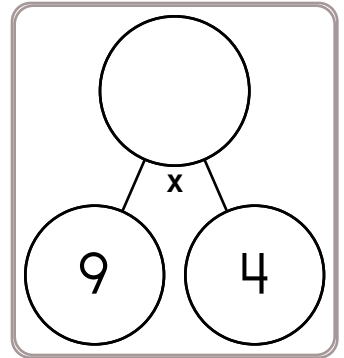
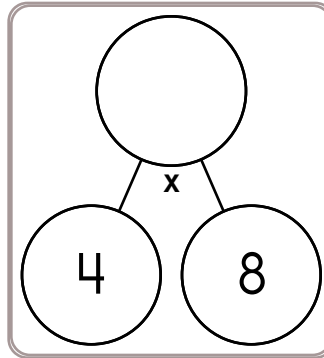
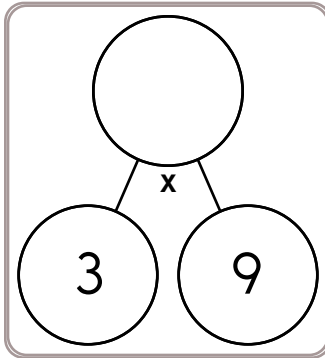
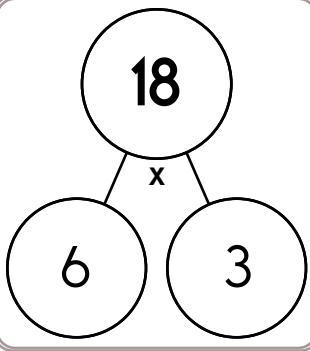
$5 \times 6 =$

$12 \times 10 =$

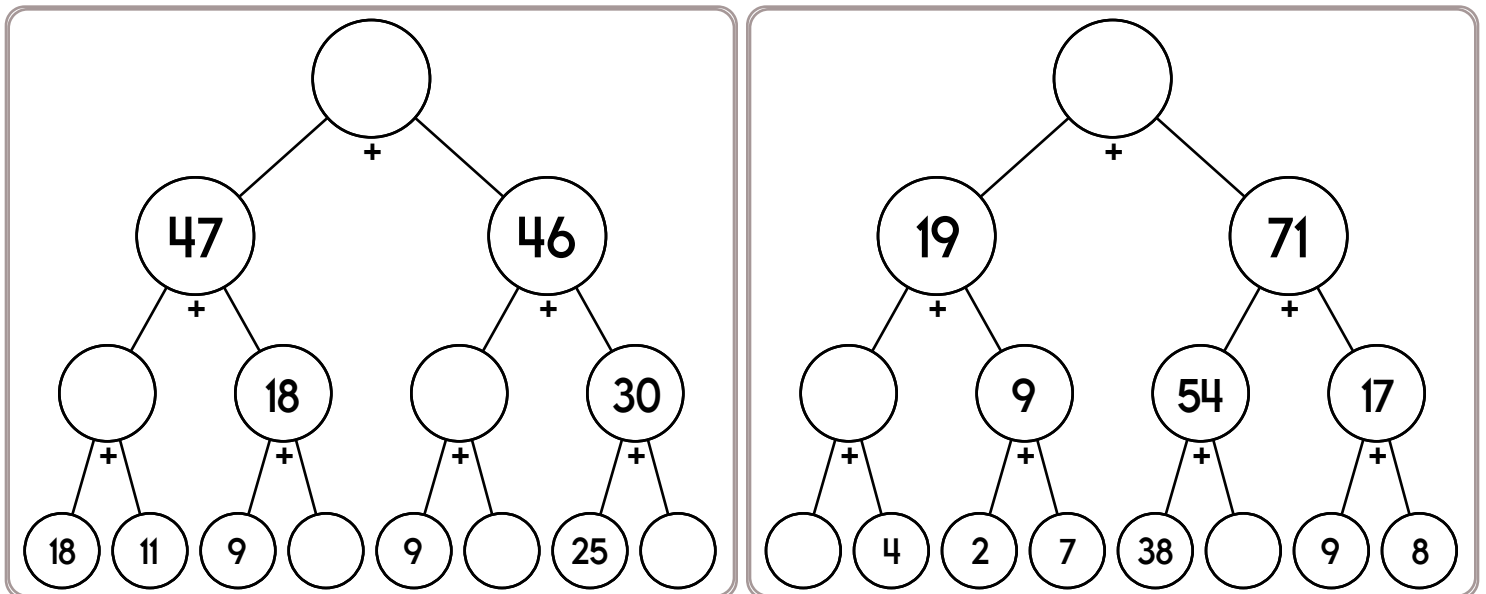
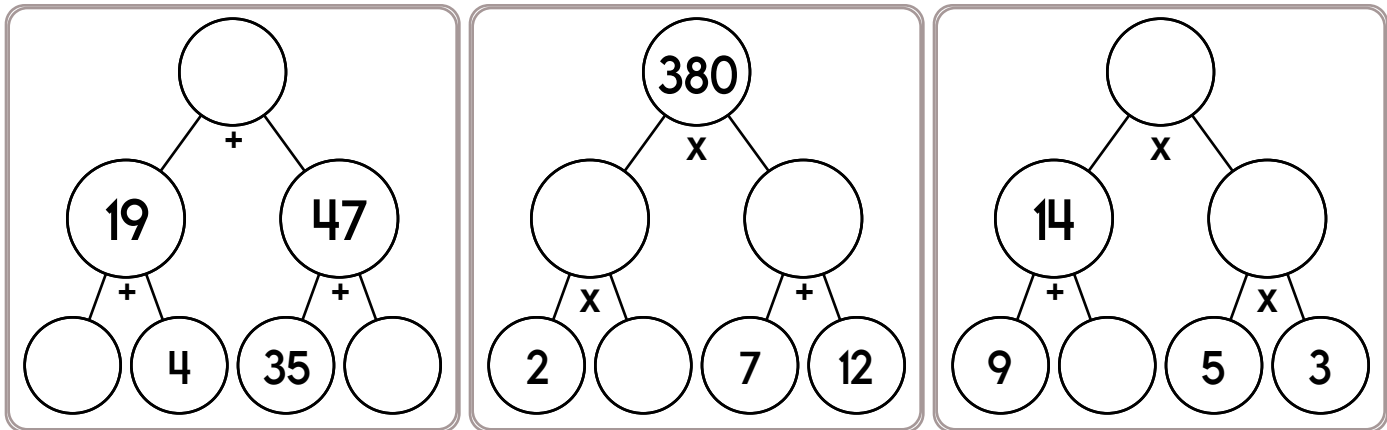
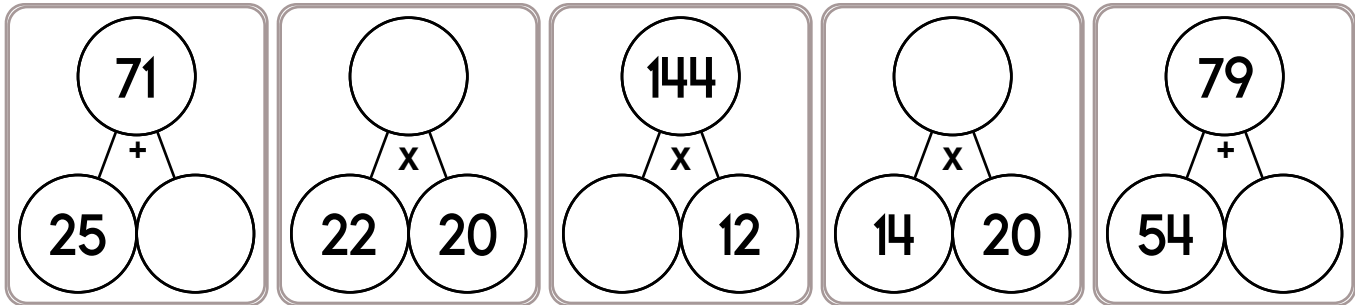
$3 \times 4 =$

$5 \times 3 =$

$8 \times 2 =$



Name: _____



What kind of angle has
a measure of 180° ?

Sketch a right angle named
 $\angle FGH$.

Sketch an acute angle
named $\angle ABC$.



Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

What is the greatest common factor of the numbers 60 and 45?

Circle the percentage that is closest to 12 out of 61:

11%
99%
11%

In what quadrant would you find the point $(-6, -6)$?

$$6 \times 52 \div 4 - 42 \div 6 =$$

Simplify.

$$\frac{42}{49} =$$

$$|-9| - w = 17$$

$$w =$$

Rewrite as an algebraic expression or equation.

Add f to the product of 6 and 9

A circle graph has four sections. Only three sections are labeled. The labels are 13%, 24%, and 6%. What should the missing section be?

What is the mode of the following number set?

33, 31, 38, 39, 42, 36, 34, 37, 43, 32, 41, 44, 40, 46

What is the mode of the following number set?

20, 28, 34, 26, 29, 19, 19, 17, 35, 24, 27, 23

A circle graph has four sections. Only three sections are labeled. The labels are 30.89%, 21.14%, and 24.97%. What should the missing section be?

$$\frac{4}{18} \div \frac{3}{6} =$$

Name: _____

Find 95% of 320.

Change $\frac{40}{100}$ to a percent.

Change 0.20 to a percent.

Find 5% of 280.

Change $\frac{3}{6}$ to a decimal.Change $\frac{19}{20}$ to a decimal.

Change 6% to a decimal.

Find 57% of 323.

Change 0.87 to a percent.

Change to percents.

$$\frac{85}{100} =$$

$$\frac{38}{100} =$$

$$\frac{63}{100} =$$

$$\frac{1}{10} =$$

$$\frac{5}{10} =$$

$$\frac{40}{100} =$$

114 is what percent of 190?

Find 55% of 261.

Name: _____

Which answer has the least unit size?

- A) 78 qt
- B) 12 gal
- C) A and B are equal.

 $33909 - 18,287 =$

- A) 15,602
- B) 75,622
- C) 15,622
- D) 12,622

 $\$79.91 - \$15.33 =$

- A) \$44.38
- B) \$61.71
- C) \$64.58
- D) A and B are equal.

Which of these answers is the expanded numeral for 3658?

- A) $6000 + 500 + 30 + 8$
- B) $3000 + 600 + 50 + 8$
- C) $300 + 600 + 500 + 800$
- D) $6000 + 300 + 50 + 8$

 $409.9 - 58.965 =$

- A) 353.931
- B) 350.935
- C) 350.955
- D) 350.135

 $(210 \div 10) - 5 = \underline{\hspace{2cm}}?$

- A) 16
- B) 11
- C) 20
- D) A and B are equal.

Name: _____

Round each number to the nearest thousand.

28,833,313.85779

5,893,310,547.316595

815,869.96

586,419,678.2515

Write as a fraction in simplest form.

$$\frac{3}{4} + \frac{1}{10} + \frac{4}{5} =$$

$$\frac{5}{6} + \frac{1}{2} + \frac{1}{15} =$$

$$\frac{4}{5} + \frac{1}{3} + \frac{1}{10} =$$

Name: _____

Hannah has given powers to her collection of dolls. There are the I dolls and the J dolls. Today she is having a match between one I doll and one J doll. The doll with more power will win. Who will win?

Five I dolls have 4 power points.

Two J dolls have 9 power points.

Rose can't wait for her friend to visit.

"As soon as you leave the airport, drive 38 miles to exit 5," says Rose.

"I don't think you mean miles. They use kilometers here," says Hannah.

Help Rose tell Hannah how many kilometers to drive. Use 1 mile = 1.6 kilometers.

Name: _____

What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues.
Put the clues together and solve the mystery of what is in the box.

A = lagoon

B = theme

C = strut

D = mock

E = keen

G = scissors

H = vacant

I = trumpet

L = delete

N = bullet

O = lively

R = pain

S = kettle

T = peel

U = soup

Clue 1: prance horn ache prance broth erase pond ache

 c i _____


Clue 2: essay ache pond pan pan

Clue 3: essay pond shot phony

Clue 4: prance erase pond pan empty

Clue 5: pare brisk shears sharp pare empty sharp ache

What's in the Box? _____

| | | |
|---|---|--|
| $10 \div 5 = \underline{\hspace{2cm}}$ $7 \times 5 = \underline{\hspace{2cm}}$ | Rewrite these in increasing order of length: 320 mm, 9 cm, 459 m, 254 dm, 584 km | $6 \times 2 = \underline{\hspace{2cm}}$  |
| Write 613,077 in words. _____ | | $\begin{array}{r} 365 \\ - 152 \\ \hline \end{array}$ |
| 18 lb = _____ oz | $35,977 + 21,813 = \underline{\hspace{2cm}}$ | |

Name: _____

| | | | | | | | |
|---|--|---|---|---|---|---|----|
| | | + | | + | | = | |
| | | | C | ? | A | | 12 |
| + | | | A | A | A | | 15 |
| - | | | | | | | |
| | | | B | A | B | | 13 |
| = | | | | | | | |
| | | | 3 | 5 | 6 | | |

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$C + A - B = 3 \quad A + A - \underline{\quad} = 6 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 13$$

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

Additional hints:

$$B > 2 \quad B = C + 2$$

Show Work:**Solve:**

$$? = \underline{\quad}$$



It's NO PREP at edHelper.

More history!



edHelper.com!

New online math games!



More things for the classroom!



More science!



New ideas!



x
+ =
- ÷
< >

More puzzles!



