| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 2 8<br>+ 4 3 3 | 4 6<br>- 1 5 | 1 2<br>x    5 |

| Division | Fraction | Geometry |
|---|---|---|
| 4 ) 3 6 | What fraction of the triangles are black?<br><br>▲ ▲ △ △<br><br>▲ ▲ △ △<br><br>_____ | How many faces, edges and vertices does a cube have?<br><br>_____ Faces<br><br>_____ Vertices<br><br>_____ Edges |

### Mix it Up

What is the average (mean) of these 5 numbers:  14, 12, 15, 8, 16?

### P.O.D.

Elaine bought a CD that cost $13.67. She gave the clerk a $20 bill.  How much change should she get back?

1
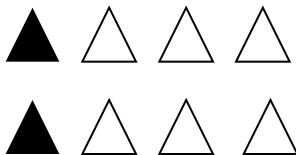
| Addition | Subtraction | Multiplication |
|---|---|---|
| 3 2 6 <br> + 9 8 8 | 3 5 4 <br> - 1 3 6 | 3 2 6 <br> x      5 |

| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 6 0 | What fraction of the triangles are black? <br><br> ▲ △ △ △ <br><br> ▲ △ △ △ <br><br> ____ | How many faces, edges and vertices does a rectangular prism have? <br><br> _____ Faces <br><br> _____ Vertices <br><br> _____ Edges |

| Mix it Up | P.O.D. |
|---|---|
| What is the average (mean) of these 6 numbers:  24, 22, 25, 19, 22, 20? | Elaine bought a Webkinz that cost $12.57.  She gave the clerk a $20 bill. How much change should she get back? What bills and coins might the clerk give to her? <br><br><br> 2 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| 5 2 5 <br> + 6 2 9 | 3 4 6 <br> - 1 5 8 | 4 1 8 <br> x      6 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 1 3 6 | Color 2/3 of the triangles black. <br><br> △ △ △ <br><br> △ △ △ | How many faces, edges and vertices does a triangular prism have? <br><br> _____ Faces <br><br> _____ Vertices <br><br> _____ Edges |

| Mix it Up | P.O.D. |
|---|---|
| What is the mode of the following 8 numbers:  22, 20, 22, 26, 30, 18, 22, 20? | Anna bought her friend a bracelet kit for $12.57, a Hannah Montana necklace for $5.99 and a birthday card for $1.99. How much did she spend in all for her friend's birthday? <br><br><br><br><br> 3 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| $ 4 . 8 4 <br> + $ 6 . 2 5 | 1 , 0 0 0 <br> -   6 2 8 | 4 6 8 <br> x      9 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 7 1 4 | Color 4/5 of the triangles black. <br><br> △ △ △ △ △ <br><br> △ △ △ △ △ <br><br> △ △ △ △ △ | How many faces, edges and vertices does a rectangular pyramid have? <br><br> _____  Faces <br><br> _____  Vertices <br><br> _____  Edges |

| Mix it Up | P.O.D. |
|---|---|
| What is the mode of the following 7 numbers:  36, 38, 38, 39, 38, 39, 32? | Jill reads 4 chapters in her book every day.  If she did this for 11 days, how many chapters did she read in all? <br><br><br><br><br><br><br> 4 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| 4 , 2 8 5 <br> + 6 , 9 4 2 | 9 4 2 <br> - 3 7 8 | 3 3 4 <br> x      7 |

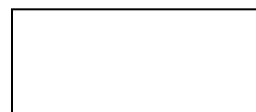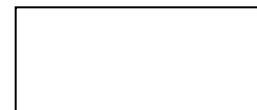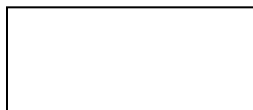| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 5 4 7 | Color 3/4 of the circles black. | Circle the two figures that are parallelograms. |
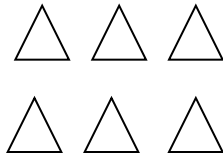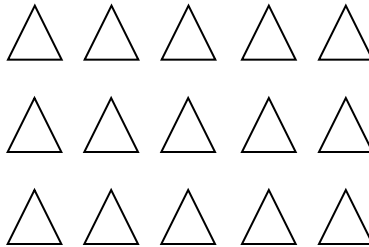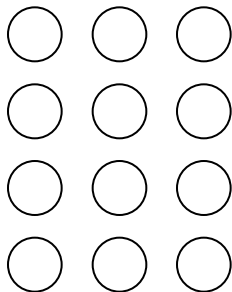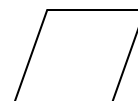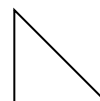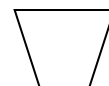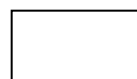
## Mix it Up

What is the median of the following 7 numbers:  31, 36, 35, 32, 39, 32, 37?

## P.O.D.

The teachers were presented with three cakes for teacher appreciation week. They ate 2 2/3 of the cakes.  On the cakes below, color in how much cake the teachers ate.  Can you determine from the picture how much cake was left over?

5

| Addition | Subtraction | Multiplication |
|---|---|---|
| 3 9 9<br>+ 4 9 9 | $ 2 3 . 4 2<br>- $ 1 8 . 9 5 | 2 2 5<br>x    5 |

| Division | Fraction | Geometry |
|---|---|---|
| 9 ) 7 5 | What fraction of the circles are colored black? | Circle the rhombus. |
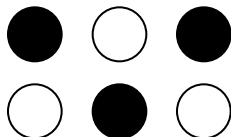
**Mix it Up**

What is the median of the following 5 numbers:  67  66  69  63  65?

**P.O.D.**

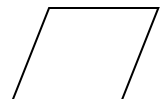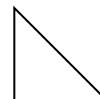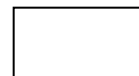Maggie started working on her homework at 3:45.  She finished her homework at 4: 25.  How long did it take Maggie to do her homework?

6

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 , 4 6 8<br>+ 5 , 3 9 6 | 4 , 3 6 1<br>- 3 , 2 5 9 | $ 3 . 1 4<br>x        3 |

| Division | Fraction | Geometry |
|---|---|---|
| 9 ) 1 2 6 | Color 2/5 of the rectangle black. | Circle the trapezoid. |
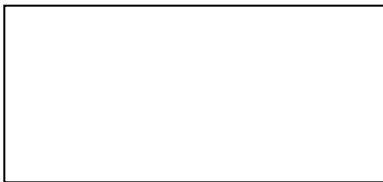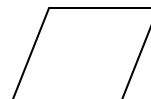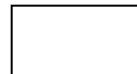
## Mix it Up

Which is the word name for the decimal 0.43?

A.  43 tenths

B.  43 hundredths

C.  43 thousandths

D.  43 ones

## P.O.D.

Jenny had the following money in her pocket:  3 dollars, 2 quarters, 3 dimes and 1 nickel.  How much money did Jenny have in all?

7

| Addition | Subtraction | Multiplication |
|---|---|---|
| 4 9 1<br>+ 2 4 9 | 5 , 2 6 8<br>-     1 5 6 | 2 1 2<br>x      9 |

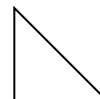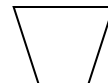| Division | Fraction | Geometry |
|---|---|---|
| 3 ) 3 3 3 | Color 2/3 of the rectangle black. | Circle the right triangle. |
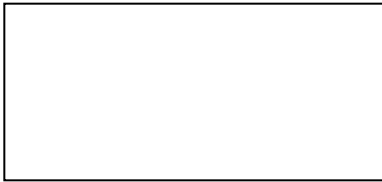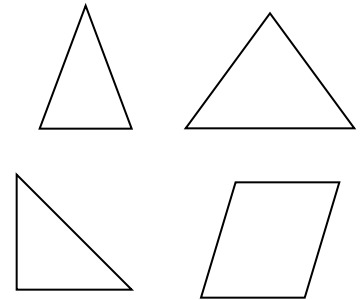
## Mix it Up

Which is the word name for the decimal 0.5?

A.   5 tenths

B.   5 hundredths

C.   5 thousandths

D.   5 ones

## P.O.D.

The Rangers scored 45 points in the first half of the game and 65 points in the second half.  The Gophers scored 36 points in the first half of the game and 76 points in the second half.  Which team won?

8

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 , 5 6 5<br>+ 4 3 5 | 4 , 2 6 5<br>- 2 , 3 7 6 | 3 4 2<br>x 8 |

| Division | Fraction | Geometry |
|---|---|---|
| 4 ) 6 1 3 | Color 1/5 of the circles black. | Circle the equilateral triangle. |
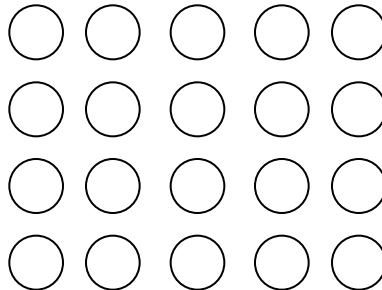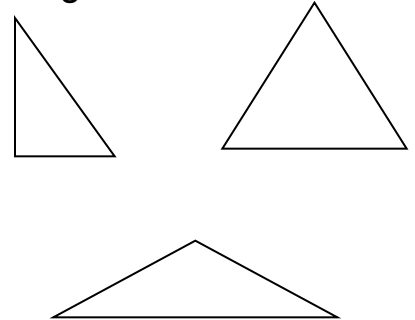
## Mix it Up

Round 2,386 to the nearest hundred.

## P.O.D.

Three friends went out for breakfast. The total bill was $18.51. They each paid the same amount. Which expression shows how much each person paid?

A. $18.51 ÷ 4

B. $18.51 ÷ 3

C. $18.51 x 4

D. $18.15 ÷ 3

9

| Addition | Subtraction | Multiplication |
|---|---|---|
| 7 , 3  5  9 <br> +  8  8  8 | 4 , 0  0  5 <br> - 1 , 2  7  3 | 9  9  9 <br> x       9 |

| Division | Fraction | Geometry |
|---|---|---|
| 8 ⟌ 2 6 1 | Color 1/4 of the circles black. | Are these figures similar? <br><br> Are they congruent? |
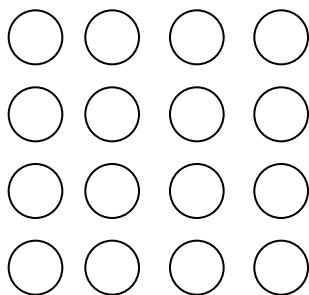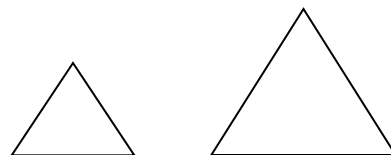
**Mix it Up**

Round 24,289 to the nearest thousand.

**P.O.D.**

Ben scored 9,345 points playing his favorite computer game. Drew scored 8,715 points playing the same game. How many more points did Ben score than Drew?

10

| Addition | Subtraction | Multiplication |
|---|---|---|
| 7 , 3 7 6<br>+  7 1 9 | 5 , 8 7 1<br>- 2 , 7 5 7 | 4 0 5<br>x      6 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ⟌ 8 6 9 | Draw a picture to show the fraction $\frac{4}{5}$. | Draw an acute angle. |

## Mix it Up

What time is it on the clock below?

## P.O.D.

Madeline collected 236 box tops, Alexa collected 291 boxtops and Maggie collected 305 boxtops.  How many boxtops did they collect in all?

11

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 , 3 4 8 <br> + 1 , 2 8 9 | 8 , 9 0 7 <br> - 2 , 9 4 5 | 5 1 2 <br> x     7 |

| Division | Fraction | Geometry |
|---|---|---|
| 8 ) 9 2 1 | What fraction of each region is gray? <br><br>  | Draws an acute triangle. |

| Mix it Up | P.O.D. |
|---|---|
| What time is it on the clock below? <br><br>  | Mrs. Scheuring's top 5 math students had the following scores on their chapter 10 test:  24, 21, 25, 22, 23.  What was their average (mean) score? <br><br><br> 12 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| $ 3 6 . 1 4<br>+ $    4 . 9 3 | $ 6 8 . 4 2<br>- $    4 . 6 8 | 3 2 1<br>x      9 |

| Division | Fraction | Geometry |
|---|---|---|
| 4 ) 3 3 6 | What fraction of the region is gray? | Draw an obtuse angle. |
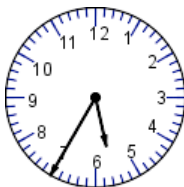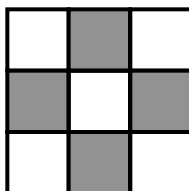
## Mix it Up

What time is it on the clock below?

## P.O.D.

The Hembre's left for their summer vacation up north. The left home at 9:15 in the morning and arrived at the resort at 2:05. How long did it take them to get there?

13

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 3 , 9 2 6<br>+ 4 , 8 3 2 | $ 2 . 3 2<br>- $ 1 . 8 6 | 4 , 3 1 2<br>x          3 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 8 6 1 | Write an equivalent fraction for $\frac{1}{2}$.<br><br>_____ | How many right angles in the figure below? |
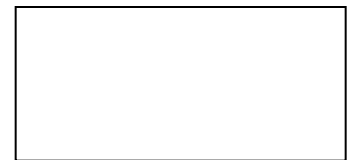
## Mix it Up

The graph below shows how many cookies each classroom ate. How many classes ate at least 35 cookies?
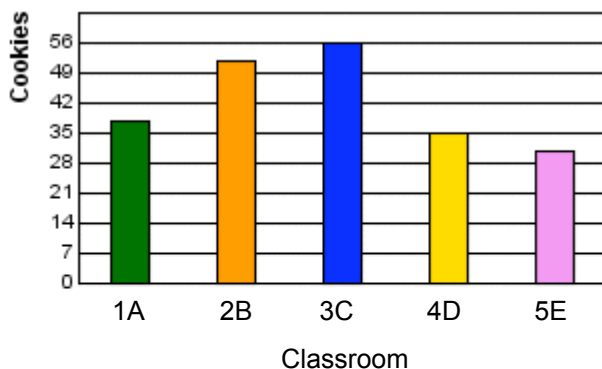


## P.O.D.

Miranda bought 5 hair clips for $2.99 each. Estimate how much Miranda spent on her hair clips.

14

| Addition | Subtraction | Multiplication |
|---|---|---|
| $25.29<br>+ $36.84 | 1,306<br>- 187 | 1,004<br>x 5 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 523 | Write an equivalent fraction for $\frac{5}{10}$. | Name 2 right angles in the diagram below.<br><br> |

| Mix it Up | P.O.D. |
|---|---|
| Estimate the sum of 296 and 1011. | Northview collected 936 boxtops. Each boxtop earns them one nickel. How much money did Northview make on their boxtop collection?<br><br>15 |

| Addition | Subtraction | Multiplication |
|---|---|---|
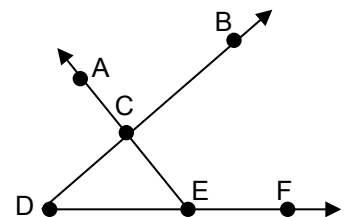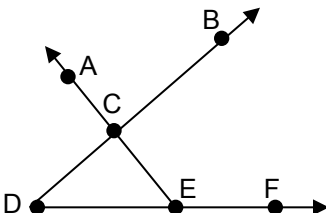
Addition

$$1,994$$
$$+\ \ 226$$

Subtraction

$$72,008$$
$$-\ 16,971$$

Multiplication

$$409$$
$$\times\ \ \ \ 8$$

Division

$$6\ \overline{)\ 435}$$

Fraction

Draw a picture to show $\dfrac{3}{4}$.

Geometry

Name one obtuse angle in the diagram below.

Mix it Up

For each of the following, determine if they are equal, greater than or less than each other.

4 quarters ☐ 90 cents

12 dimes ☐ $ 1. 25

11 nickels ☐ 2 quarters

$1. 46 ☐ 6 quarters

P.O.D.

Alea looked in her piggy bank and found two five dollar bills, 3 quarters, 5 dimes, 1 nickel and 4 pennies. Reegan looked in her piggy bank and found nine dollar bills, 8 quarters, 2 dimes, 3 nickels and 2 pennies. Who had more money in their bank, Alea or Reegan?

16

| Addition | Subtraction | Multiplication |
|---|---|---|
| 3 , 9 9 9<br>+ 4 4 4 | 2 1 , 0 0 0<br>- 1 9 , 9 8 4 | 6 6 7<br>x 7 |

| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 6 3 5 | Find $\frac{1}{2}$ of 8.<br><br>Draw a picture to help you. | Name 2 acute angles in the diagram below.<br> |
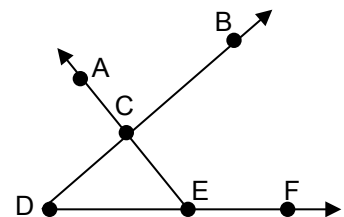
### Mix it Up

Solve the following equation:

4 + (3 x 5) − 6 =

### P.O.D.

Your mom offers to pay you for pulling dandelions in the yard. She will pay you 1 cent for the first dandelion, 2 cents for the second dandelion, 4 cents for the third dandelion. Each dandelion is worth twice the money of the one before it. You pull 10 dandelions from the lawn. How much does she have to pay you?

17

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 , 2 5 0<br>+ 6 6 5 | 9 , 2 5 0<br>- 2 , 3 5 1 | 4 , 0 0 0<br>x        6 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 4 9 8 | Multiply to find the equivalent fraction.<br><br>X 3<br><br>$\frac{1}{2}$ = ⬚/⬚<br><br>X 3 | In the diagram below, what two lines are perpendicular?<br><br>B<br>A<br>C<br>D    E    F |
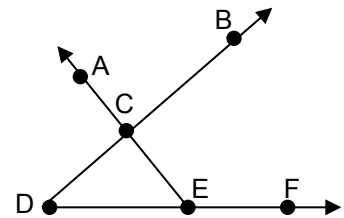
## Mix it Up

Put the following numbers in order from highest to lowest:

28,232

35,840

17,881

23,376

35,699

## P.O.D.

Mary had the following scores on her last four timed tests:  26, 38, 38, 42.

Alea had the following scores on her last three timed tests:  22, 37, 40, 48.

Who had the highest total score on their three math tests, Mary or Alea?

18

| Addition | Subtraction | Multiplication |
|---|---|---|
| $ 1 2 5 . 9 8<br>+ $ 6 9 0 . 5 0 | 6 , 0 0 0<br>- 2 , 4 5 1 | 4 0 9<br>x    4 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 4 7 0 | Multiply to find the equivalent fraction.<br><br>X 4<br><br>$\frac{1}{3}$ = ▭<br><br>X 4 | Identify the two lines that are parallel.<br><br>A<br>B       C<br>D       E<br>F |
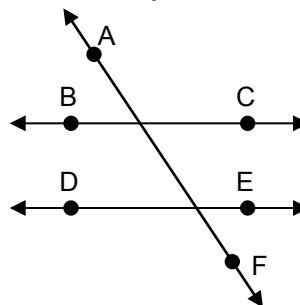
**Mix it Up**

Estimate the following sum. Did you overestimate or underestimate?

4 1 9 + 5 9 8

**P.O.D.**

Mrs. Scheuring filled up her gas tank at the Super America. She put 9 gallons in her tank. Each gallon cost $3.79. How much money did Mrs. Scheuring have to pay to fill her tank?

19

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 8 6<br>2 1 9<br>+ 8 3 | 8 , 9 6 5<br>- 2 , 4 3 5 | 1 4 6<br>x 5 |

| Division | Fraction | Geometry |
|---|---|---|
| 9 ) 9 9 5 | Multiply to find the equivalent fraction.<br><br>X 2<br><br>$\frac{2}{3}$ = ▢/▢<br><br>X 2 | Identify the midpoint on the line segment below.<br><br>A      B      C  D |
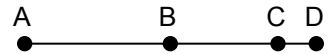
**Mix it Up**

Maggie went to sleep at 9:40 p.m. and got up at 6:30 a.m.  How long did she sleep?

**P.O.D.**

Alea is making bracelets for a school fundraiser.  It takes her 23 minutes to make one bracelet.  She makes 8 bracelets in all.  How long does it take Alea to make the bracelets (answer should be in hours and minutes)?

20

| Addition | Subtraction | Multiplication |
|---|---|---|
| 9 , 4  8  8  <br> +  9  8  7 | 6 , 2  4  1 <br> -  5 , 6  6  0 | 1 , 4 0 6 <br> x          8 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 4 1 6 | Reduce the fraction below. <br><br> $\dfrac{8}{10}$ | Find the perimeter of the square below. <br><br> 4 inches |

## Mix it Up

Evaluate these expressions for n = 7.

5 + n =

8n =

$\dfrac{49}{n}$ =

## P.O.D.

Alea is helping her mom tile a room in the cabin.  The room is 10 feet by 12 feet.  If each tile is 1 foot by 1 foot, how many tiles will they need to buy (hint: draw a picture if you are stuck)?

21

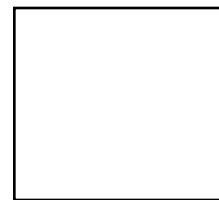| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 3 , 4 7 2<br>+ 7 , 7 7 7 | 3 9 , 2 4 2<br>-     5 7 7 | 3 6<br>x 1 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 9 ) 9 3 6 | Color 1/8 of the circles black.<br><br>◯ ◯ ◯ ◯<br>◯ ◯ ◯ ◯<br>◯ ◯ ◯ ◯<br>◯ ◯ ◯ ◯ | Find the area of the square below.<br><br>⬜<br><br>4 inches |

| Mix it Up | P.O.D. |
|---|---|
| Evaluate these expressions for n = 5.<br><br><br>15 + n =<br><br><br>6n =<br><br><br>$\frac{45}{n}$ = | Alea and her mom are going to put wooden molding around the bottom of the walls in the 10 foot by 12 foot room. How many feet of molding will they have to buy?  (Hint:  This is a perimeter problem).<br><br><br><br><br>22 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 , 4 6 7 <br> + 1 9 9 | 8 , 3 4 1 <br> - 5 , 2 2 6 | 5 9 <br> x 3 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 3 ) 6 2 0 | Reduce the fraction below. <br><br> $\dfrac{8}{12}$ | Find the area of the rectangle below. <br><br> 7 in. <br><br> 2 in. |

**Mix it Up**

Evaluate these expressions for n = 0.

$555 + n =$

$9n =$

$\dfrac{n}{50} =$

**P.O.D.**

Alea finds the following in her bag of m&ms.  What fraction are blue?

| Color | Number of m&ms |
|---|---|
| Red | 8 |
| Blue | 15 |
| Green | 5 |
| Yellow | 3 |
| Brown | 6 |

23

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 2 , 4 9 8<br>+ 5 1 , 6 6 3 | 8 , 0 0 0<br>- 3 , 2 3 3 | 1 2 7<br>x    3 4 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ⟌ 9 1 2 | Write a fraction for the picture below.<br><br>_____ | Find the area of the cube below.  Hint:  area of a cube equals length x width x height.<br><br>3 in.<br>3 in.<br>4 in. |

## Mix it Up

Estimate the quotient.  Did you overestimate or underestimate?

$79 ÷ 4

## P.O.D.

Andrea's allowance is $3.00 per day. Jenny's allowance is $20.00 per week. Who receives the most money?

24

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 5 , 2 2 8<br>+ 3 , 9 4 8 | 2 3 , 6 9 5<br>- 4 , 3 9 6 | 3 6 6<br>x 2 4 |

| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 5 1 8 | Write a fraction for the picture below.<br><br><br><br>____ | Find the area of the cube below.<br><br><br>4 in.<br>4 in.<br>6 in. |

### Mix it Up

Estimate the product. Did you overestimate or underestimate?

1 2 x 5 1 =

### P.O.D.

Ms. Scheuring bought ¼ pound of ham and ¼ pound of turkey. How much meat did she buy in all?

25

| Addition | Subtraction | Multiplication |
|---|---|---|

Addition

$$1\ 6\ ,\ 2\ 2\ 2$$
$$+\ 4\ ,\ 8\ 8\ 8$$

Subtraction

$$1\ 6\ ,\ 2\ 3\ 8$$
$$-\ 1\ 5\ ,\ 4\ 9\ 1$$

Multiplication

$$3\ 0\ 9$$
$$\times\ 1\ 2$$

Division

$$5\ )\ 5\ 3\ 5$$

Fraction

Add the fractions below.

$$\frac{4}{10}\ +\ \frac{5}{10}\ =$$
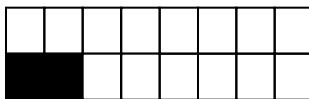
Geometry

Find the area of the cube below.

10 in.

4 in.

3 in.
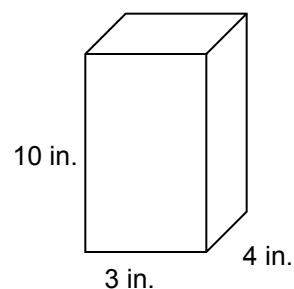
Mix it Up

Estimate the product. Did you overestimate or underestimate?

101 x 63 =

P.O.D.

Apples are on sale 4 for $1.28. How much does each apple cost?

26

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 3 , 9 3 5<br>+ 5 , 6 6 9 | 2 6 , 4 9 1<br>-   9 , 2 3 8 | 4 2 6<br>x   3 5 |

| Division | Fraction | Geometry |
|---|---|---|
| 3 ) 6 1 2 | Add the fractions below.<br><br>$\dfrac{3}{8} + \dfrac{5}{8} =$ | Flip the figure below.<br><br> |

| Mix it Up | P.O.D. |
|---|---|
| Find the elapsed time from 11:48 a.m. to 1:15 p.m. | Farmer Anne Anderson has to plan 336 peppers in 8 rows.  How many pepper plants should she put in each row? |
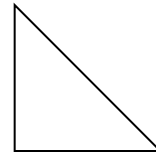
27

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 2 , 9 9 9<br>+     8 8 8 | 5 6 , 1 1 1<br>-      9 9 9 | 2 3 7<br>x    2 4 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ⟌ 7 5 8 | Add the fractions below.<br><br>$\dfrac{2}{12} + \dfrac{4}{12} =$ | Slide the figure below.<br><br> |

| Mix it Up | P.O.D. |
|---|---|
| What is three million, ninety-eight thousand, four hundred five written in standard form? | Alana bought 5 Webkinz for $32.50. Alea bought 2 Webkinz for $10.30.  Who paid the cheaper price for each Webkinz? |
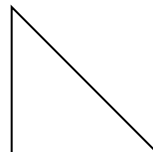
28

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 2 , 5 6 8 <br> + 3 , 7 8 9 | 2 0 , 0 0 5 <br> - 6 , 4 4 6 | 5 5 4 <br> x   2 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 7 2 1 | Subtract the fractions below. <br><br> $\dfrac{5}{8} - \dfrac{3}{8} =$ | Rotate the figure below. <br><br>  |

| Mix it Up | P.O.D. |
|---|---|
| Write these numbers in order from least to greatest. <br><br> 75,175 <br><br> 75,715 <br><br> 75,571 <br><br> 75,751 | Alea set a goal to do 8 math problems every day for 4 weeks (including weekends!).  How many math problems will Alea have finished by the end of 4 weeks? (Hint:  the answer is a lot more than 32!) <br><br> 29 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 4 , 6 7 9<br>+ 3 6 , 4 9 5 | 4 , 0 0 5<br>- 3 , 2 9 3 | 4 3 6<br>x   2 5 |

| Division | Fraction | Geometry |
|---|---|---|
| 4 ) 8 3 7 | Subtract the fractions below.<br><br>$$\frac{8}{12} - \frac{3}{12} =$$ | Are the figures below similar?  Are they congruent? |
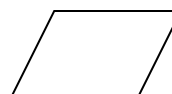
**Mix it Up**

The answer to a division problem is a:

a.  Factor

b.  Quotient

c.  Product

d.  Divisor

**P.O.D.**

Alea and Reegan went out for Pizza. Reegan ate 2/4 of the pizza and Alea ate 1/4 of it.  What fraction of the pizza did they eat in all?

30

| Addition | Subtraction | Multiplication |
|---|---|---|
| $14.26<br>+$   3.95 | 136,491<br>- 27,512 | 426<br>X   64 |

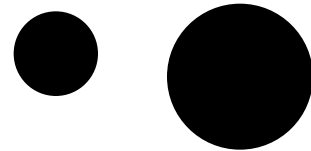| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 548 | Subtract the fractions below.<br><br>$\dfrac{4}{10} - \dfrac{3}{10} =$ | Are the figures below similar?  Are they congruent? |

### Mix it Up

The answer to a multiplication problem is a:

a.   Factor

b.   Quotient

c.   Product

d.   Divisor

### P.O.D.

On Track and Field Day, Mary threw the softball 76 feet.  Alana threw the ball 121 feet.  How much further did Alana throw the ball than Mary?

31

| Addition | Subtraction | Multiplication |
|---|---|---|
| 9 , 8 7 6 <br> + 7 8 9 | 5 , 1 0 1 <br> - 4 , 3 6 9 | $ 2 . 4 3 <br> x         9 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 4 9 , 0 0 0 <br><br><br> Look carefully. Can you do this one in your head? | Add the fractions below. Remember, they need to have the same denominators! <br><br> $\dfrac{1}{5} + \dfrac{3}{10} =$ | Are the figures below similar? Are they congruent? |

### Mix it Up

Write the missing numbers in the pattern below.

7,  ▢ , 21,  ▢  , 35, 42

### P.O.D.

Alea was sorting her Halloween candy from school. She had 4 suckers, 8 chocolate bars and 8 pieces of taffy. What fraction of her candy was chocolate? Put your answer in simplest form.

32

| Addition | Subtraction | Multiplication |
|---|---|---|
| 5 7 , 3 5 9<br>+   1 , 4 3 6 | 8 , 8 8 8<br>-   9 9 9 | 1 , 2 8 4<br>x   5 6 |

| Division | Fraction | Geometry |
|---|---|---|
| 6 ) 2 4 3 | Add the fractions below. Remember, they need to have the same denominators!<br><br>$\dfrac{1}{5}$ + $\dfrac{1}{10}$ = | Are the figures below similar? Are they congruent? |

## Mix it Up

Write the missing numbers in the pattern below.

6, ▢ , 18, ▢ , 30, 36, ▢

## P.O.D.

Alea was sorting her Halloween candy from school. She had 4 suckers, 8 chocolate bars and 8 pieces of taffy. What fraction of her candy were suckers? Put your answer in simplest form.

33

| Addition | Subtraction | Multiplication |
|---|---|---|

Addition

1 2 , 6 4 8
+ 5 , 4 3 9

Subtraction

8 , 0 1 2
-    2 7 3

Multiplication

$ 4 . 3 6
x         7

| Division | Fraction | Geometry |
|---|---|---|

Division

3 ) 9 2 6

Fraction

Add the fractions below. Remember, they need to have the same denominators!

$$\frac{1}{2} \ + \ \frac{1}{4} \ =$$

Geometry

How many lines of symmetry does this shape have?

W

Mix it Up

Write the missing numbers in the pattern below.

63, ▢ , 45, ▢ , 27, 18, 9

P.O.D.

On the way to their cabin, Alea counted three times as many cows as Andrea but only half as many as Alexa.  If Andrea counted 24 cows, how many cows did Alexa count?

34

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 , 5 3 9<br>+ 2 2 2 | 1 2 , 3 7 2<br>-  1 , 2 7 3 | 1 , 0 0 9<br>x  1 5 |

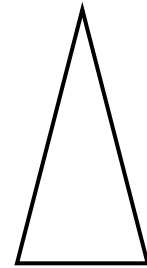| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 7 3 5 | Add the fractions below. Remember, they need to have the same denominators!<br><br>$$\frac{1}{3} + \frac{1}{6} =$$ | How many lines of symmetry does this shape have? |

**Mix it Up**

Round 22, 461 to the nearest hundred.

**P.O.D.**

Mrs. Hembre brought in 24 cupcakes for the classroom?  She paid $8.99 for each package of 8 cupcakes.  How much did she pay in all.

35

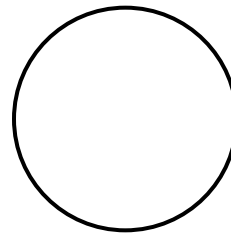| Addition | Subtraction | Multiplication |
|---|---|---|
| 6 , 2 1 2 <br> + 2 , 4 4 1 | 5 , 6 2 3 <br> - 1 , 8 7 6 | 1 , 1 2 2 <br> x       1 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 8 ) 8 5 7 | Add the fractions below. Remember, they need to have the same denominators! <br><br> $$\frac{3}{12} + \frac{1}{6} =$$ | Draw a diameter on this circle. |

## Mix it Up

Evaluate the expression below for t = 3.

(12 + t) x 4

## P.O.D.

Jenny kept track of the number of jumping jacks she did each day.  What was the average number of jumping jacks she did?

| | |
|---|---|
| Monday | 54 |
| Tuesday | 59 |
| Wednesday | 54 |
| Thursday | 58 |
| Friday | 60 |

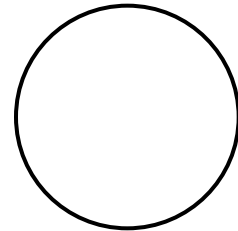| Addition | Subtraction | Multiplication |
|---|---|---|
| $34.18<br>+ $ 5.26 | $32.48<br>- $15.86 | 2,424<br>x    36 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 8 1 5 | Subtract the fractions below.  Remember, they need to have the same denominators!<br><br>$\dfrac{3}{12} - \dfrac{1}{6} =$ | Draw a chord on this circle. |

**Mix it Up**

Solve the following equation.

15 x (6 − 1) =

**P.O.D.**

Jenny kept track of the number of jumping jacks she did each day.  What was the mode of her jumping jacks?

| | |
|---|---|
| Monday | 54 |
| Tuesday | 59 |
| Wednesday | 54 |
| Thursday | 58 |
| Friday | 60 |

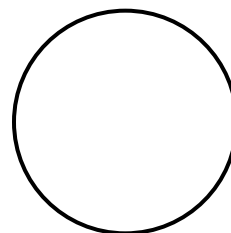| Addition | Subtraction | Multiplication |
|---|---|---|
| 2 2 , 4 6 8 <br> + 6 , 8 9 9 | 2 2 , 2 2 3 <br> - 3 , 4 4 4 | 2 2 2 <br> x    6 8 |

| Division | Fraction | Geometry |
|---|---|---|
| 9 ) 9 0 5 | Subtract the fractions below.  Remember, they need to have the same denominators! <br><br> $\dfrac{5}{6} - \dfrac{1}{12} =$ | Draw a radius on this circle. <br><br>  |

| Mix it Up | P.O.D. |
|---|---|
| Solve the following equation. <br><br> $12 + 4 - (2 + 6) =$ | Jenny kept track of the number of jumping jacks she did each day.  What was the median number of jumping jacks she did? <br><br> Monday 54 <br> Tuesday 59 <br> Wednesday 54 <br> Thursday 58 <br> Friday 60 <br><br> 38 |

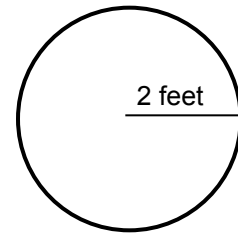| Addition | Subtraction | Multiplication |
|---|---|---|
| 3 , 9 9 5 <br> + 1 , 8 8 9 | 5 , 8 8 4 <br> - 3 , 9 9 5 | 1 , 2 3 6 <br> x    4 4 |

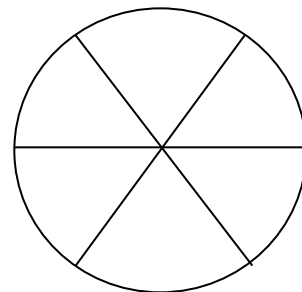| Division | Fraction | Geometry |
|---|---|---|
| 6 ) 6 1 4 | Subtract the fractions below. Remember, they need to have the same denominators! <br><br> $$\frac{1}{2} - \frac{1}{6} =$$ | The radius of the circle is 2 feet. What is the diameter? <br><br> 2 feet |

### Mix it Up

What is the average of the following numbers: 24, 36, 22, 32, 31?

### P.O.D.

Grant ate 1/3 of a pizza. Bennett ate 1/6 of the pizza. Mrs. Scheuring ate ½ the pizza. How much pizza was left? Hint: Use the picture below to help you.

39

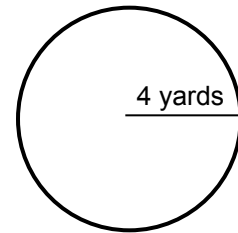| Addition | Subtraction | Multiplication |
|---|---|---|
| 9 9 , 4 4 9 <br> + 1 , 2 2 9 | 9 9 , 4 4 9 <br> -    1 , 2 2 9 | 4 4 9 <br> x    2 9 |

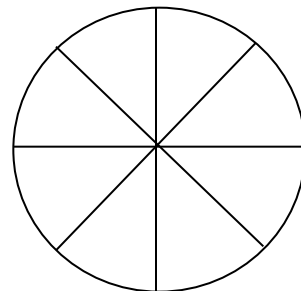| Division | Fraction | Geometry |
|---|---|---|
| 8 ) 8 6 3 | Subtract the fractions below. Remember, they need to have the same denominators! <br><br> $\dfrac{5}{8} - \dfrac{1}{2} =$ | The radius of the circle is 4 yards. What is the diameter? <br><br> 4 yards |

| Mix it Up | P.O.D. |
|---|---|
| What is the median of the following numbers:  24, 36, 22, 32, 31? | At the teacher's luncheon, Mrs. Sheuring ate 1/8 of the pizza, Mrs. Holtz ate ¼ of the pizza and Mrs. Fleck at 3/8 of the pizza.  How much pizza was left? Hint:  Use the picture below to help you. <br><br> 40 |

| Addition | Subtraction | Multiplication |
|---|---|---|

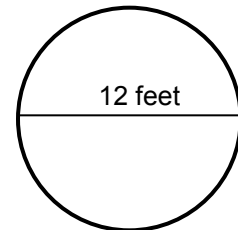|  |  |  |
|---|---|---|
| $ 4 4 . 2 5<br>+   $ 3 . 9 5 | 8 8 , 8 8 8<br>- 2 2 , 9 2 9 | 2 6 5<br>x   1 2 |

| Division | Fraction | Geometry |
|---|---|---|

**Fraction**

Subtract the fractions below.  Remember, they need to have the same denominators!

**Geometry**

The diameter of this circle is 12 feet.  What is the radius?

Division:

3 ) 6 2 8

$$\frac{5}{12} - \frac{1}{6} =$$



12 feet

## Mix it Up

Molly left home at 2:14 to go to her grandmother's house.  She arrived at 4:05.  How long did it take Molly to get to her grandmother's?

## P.O.D.

Alexa found the following coins in her purse:  5 quarters, 4 dimes, 3 nickels, and 2 pennies.  How much money did she have?

41

| Addition | Subtraction | Multiplication |
|---|---|---|
| 9 , 5 9 6<br>+ 1 , 9 9 9 | $ 4 0 . 2 9<br>- $ 9 . 3 9 | 4 5 0<br>x 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 5 ) 4 1 3 | Write > or < in the ▢ .<br><br>$\frac{1}{2}$ ▢ $\frac{1}{6}$ | Which shape does not have any parallel lines?<br><br>Rectangle    Square<br><br>Rhombus    Triangle |

| Mix it Up | P.O.D. |
|---|---|
| Estimate the product of 49 and 51. | Parker ordered a malt for $1.99, a hamburger for $0.89, a small fry for $1.29 and a milk for $0.59.  He pays with a five dollar bill.  How much change should he get back?<br><br>42 |

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 4 , 3 7 5 <br> + 9 , 8 2 2 | 1 , 0 0 5 <br> -   9 5 4 | $ 4 . 2 6 <br> x   9 |

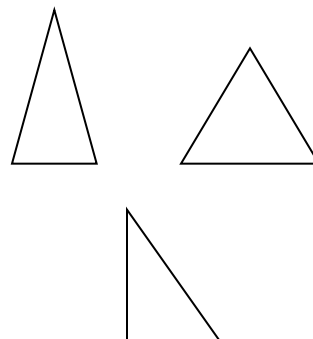| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 1 4 2 | Write > or < in the ☐. $$\frac{3}{6} \quad \boxed{\phantom{x}} \quad \frac{1}{6}$$ | Which triangle is a equilateral triangle? |

## Mix it Up

Estimate the sum of 106, 98 and 46.

## P.O.D.

Northview has 122 baked goods for its cakewalk. 39 of them have already been won. How many are left?

43

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 5 , 8 4 3<br>+ 7 , 7 6 9 | 9 , 4 0 0<br>- 1 , 2 2 2 | $ 4 . 2 6<br>x      2 9 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 7 5 4 | Write > or < in the ☐.<br><br>$\dfrac{1}{5}$  ☐  $\dfrac{5}{6}$ | Which triangle is a right triangle? |
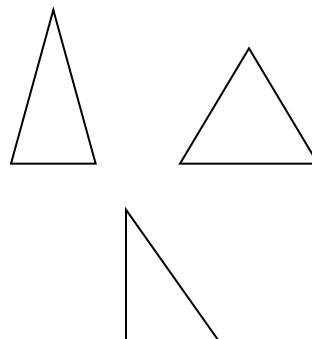
**Mix it Up**

Write the missing numbers in the pattern below.

8, ☐ , 24, ☐ , 40, 48, 56

**P.O.D.**

Miranda has 24 crayons in her box.  8 of them are broken.  What fraction are not broken?  (Can you put your answer in simplest form?)

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 9 , 5 4 8 <br> + 7 , 9 7 7 | $ 5 3 . 2 8 <br> - $ 2 2 . 8 9 | 1 , 2 4 6 <br> x         7 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ) 4 4 1 | Write > or < in the ☐. <br><br> $\frac{2}{3}$  ☐  $\frac{2}{6}$ | Which triangle is a isosceles triangle? |
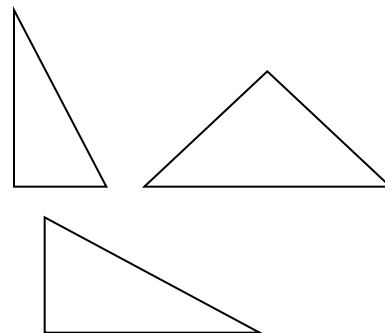
### Mix it Up

Write the missing numbers in the pattern below.

12, ☐ , 36, ☐ , 60, 72

### P.O.D.

Mr. Watson and Ms. Haugen have asked the kids to run the perimeter of the playground.  The playground is 36 yards long and 22 yards wide.  How far do the kids have to run?

45

| Addition | Subtraction | Multiplication |
|---|---|---|
| 8 , 4 9 1 <br> + 9 , 9 0 9 | 5 , 0 0 0 <br> - 4 , 3 2 1 | 1 , 2 2 1 <br> x     2 6 |

| Division | Fraction | Geometry |
|---|---|---|
| 8 $)$ 8 1 3 | Write > or < in the ☐. <br><br> $\dfrac{5}{8}$  ☐  $\dfrac{2}{4}$ | Which triangle is a scalene triangle? |
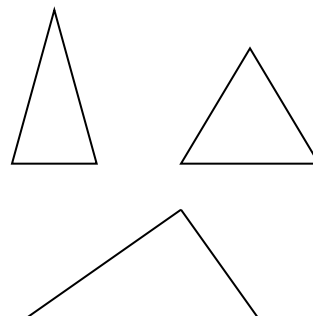
## Mix it Up

Draw a stem-and-leaf diagram for the numbers 74, 67, 71, 75, 69, 75, 75, 68.

| Stem | Leaves |
|---|---|
|  |  |

## P.O.D.

Alea's mom buys a new run for the living room floor.  It is 5 feet wide and 7 feet long.  What is the area of the new rug?

46

| Addition | Subtraction | Multiplication |
|---|---|---|
| 5 5 , 3 3 5 <br> + 4 , 5 4 5 | 8 , 9 4 3 <br> - 7 , 6 5 3 | 2 , 2 0 0 <br> x      1 3 |

| Division | Fraction | Geometry |
|---|---|---|
| 7 ⟌ 7 3 4 | Write > or < in the ☐. <br><br> $\dfrac{2}{5}$ ☐ $\dfrac{6}{10}$ | Circle the trapezoid. |
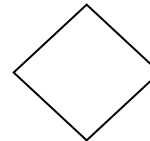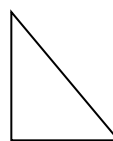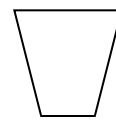
**Mix it Up**

Draw a stem-and-leaf diagram for the numbers 23, 35, 22, 35, 28, 29, 37, 39.

| Stem | Leaves |
|---|---|
| | |

**P.O.D.**

Jon has a bag of m&ms that contain the following:

| | |
|---|---|
| Blue | 6 |
| Red | 4 |
| Green | 2 |
| Yellow | 2 |
| Brown | 1 |

What fraction of his m&ms are blue? Can you put your answer in simplest form?

| Addition | Subtraction | Multiplication |
|---|---|---|
| 1 5 3 , 3 4 9 <br> + 9 4 , 3 9 8 | 1 5 6 , 4 3 8 <br> - 1 2 7 , 3 8 9 | 4 , 3 6 8 <br> x        4 3 |

| Division | Fraction | Geometry |
|---|---|---|
| 8 ⟌ 7 0 0 | Write > or < in the ▢. <br><br> $\dfrac{7}{12}$  ▢  $\dfrac{4}{6}$ | Circle the parallelogram. |
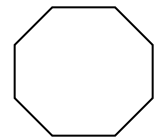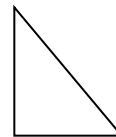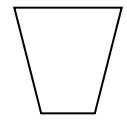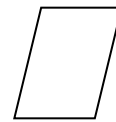
## Mix it Up

What is the mean of the following 5 numbers:  12, 14, 14, 11, 9?

## P.O.D.

Alea and her three sisters have a box that contains 126 chocolates.  Her mom tells them to divide them up evenly and give any leftovers to Dad.  How many chocolates does each person get?

48

| Addition | Subtraction | Multiplication |
|---|---|---|
| $ 1 5 6 . 6 9<br>+ $    4 5 . 4 5 | $ 1 5 6 . 6 9<br>- $    4 5 . 4 5 | $4 3 . 6 8<br>x       4 3 |

| Division | Fraction | Geometry |
|---|---|---|
| 2 ) 1 , 3 4 8 | Write > or < in the ☐.<br><br>$\dfrac{5}{6}$ ☐ $\dfrac{9}{12}$ | Circle the rhombus. |
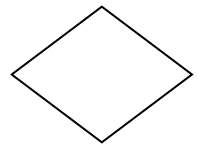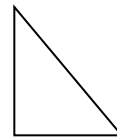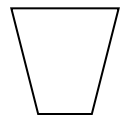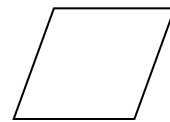
**Mix it Up**

What is the mode of the following 6 numbers:  12, 10, 14, 14, 11, 9?

**P.O.D.**

Mrs. Scheurings dog eats 8 dog biscuits a day.  How many dog biscuits will he eat in a whole year?

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| Addition | Subtraction | Multiplication |
|---|---|---|
| 4 3 6 , 6 8 8<br>+ 2 8 8 , 5 9 9 | 4 3 6 , 6 8 8<br>- 2 8 8 , 5 9 9 | 2 , 4 4 8<br>x    3 8 |

| Division | Fraction | Geometry |
|---|---|---|
| 3 ) 3 , 4 6 2 | Write > or < in the ▢ .<br><br>$\dfrac{1}{2}$  ▢  $\dfrac{1}{3}$ | How many faces does a cube have? |

| Mix it Up | P.O.D. |
|---|---|
| Estimate the quotient below.  Did you overestimate or underestimate?<br><br>$603 ÷ 3$ | Alea just finished a fifty page math packet.  Each page had 9 problems on it.  How many problems did Alea do?<br><br><br><br>50 |

# Give Me a Challenge!

```
  5,488,539,653,991
+   688,392,583,909
```

# Give Me a Challenge!

```
  5 , 4 8 8 , 5 3 9 , 6 5 3 , 9 9 1
-   6 8 8 , 3 9 2 , 5 8 3 , 9 0 9
```

# Give Me a Challenge!

```
4 2 3 , 8 8 1
x         5 5
```