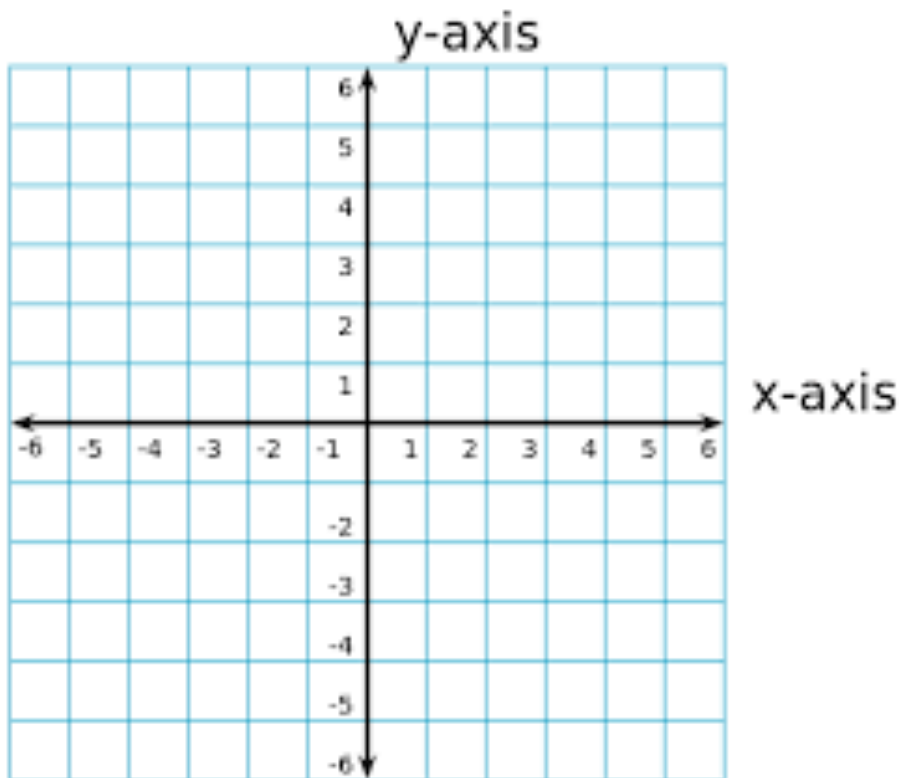


1. The vertices of five polygons are given below. For each polygon:
- Plot the points in the coordinate plane and connect the points in the order that they are listed.
 - Color the shape the indicated color and identify the type of polygon it is.



- The first polygon has these vertices: $(-7,4)$ $(-8,5)$ $(-8,6)$ $(-7,7)$ $(-5,7)$ $(-5,5)$ $(-7,4)$. Plot all point, connect them and color this polygon GREY.
- The second polygon has these vertices: $(-2,-7)$ $(-1,-4)$ $(3,-1)$ $(6,-7)$ $(-2,-7)$. Plot all point, connect them and color this polygon ORANGE
- The third polygon has these vertices: $(0,-10)$ $(0,-8)$ $(7,-10)$ $(0,-10)$. Plot all point, connect them and color this polygon BROWN.
- The fourth polygon has these vertices: $(-8,-5)$ $(-8,-8)$ $(-5,-8)$ $(-5,-5)$ $(-8,-5)$. Plot all point, connect them and color this polygon BLUE.
- The fifth polygon has these vertices: $(9,-1)$ $(6,1)$ $(6,-3)$ $(9,-1)$. Plot all point, connect them and color this polygon PINK.

Review - Simplifying fractions

To simplify the fractions means to write down an equivalent fraction that has the smallest possible denominator.

2. Simplify the following fractions:

$$\frac{5}{40} =$$

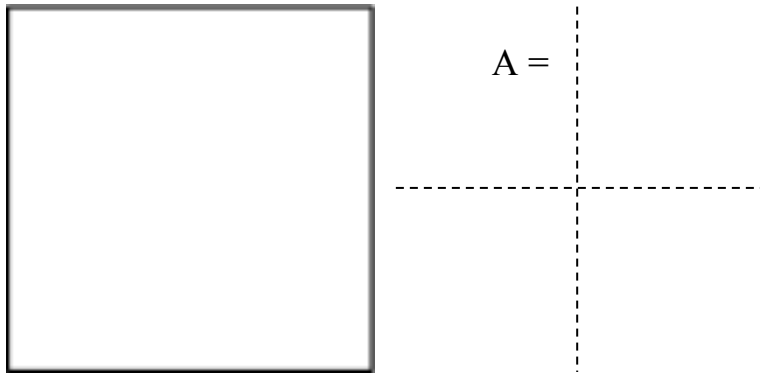
$$\frac{11}{44} =$$

$$\frac{12}{44} =$$

$$\frac{27}{27} =$$

$$\frac{14}{12} =$$

3. A square origami paper is folded to form 4 equal smaller squares. Find the area of a smaller square if the side of an origami paper equals 16 cm. Do you think other 3 squares will have the same area or different?



4. The area of the rectangle with a side of 16cm (length) is equal the area of the square with a side of 8cm. Find another side of the rectangle (width).

5. Calculate and simplify the answer where possible:

$$\frac{1}{2} + \frac{1}{3} =$$

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

$$\frac{5}{9} + \frac{1}{3} =$$

$$\frac{2}{27} + \frac{7}{27} =$$

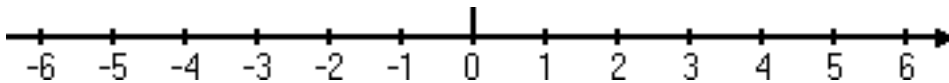
6. Rewrite these word sentences as number expressions and find a value of each expression. Use a number line, if necessary.

a) What number is 6 more than -6 ? _____

b) What number is 2 less than -4 ? _____

c) What number is double of number 3? _____

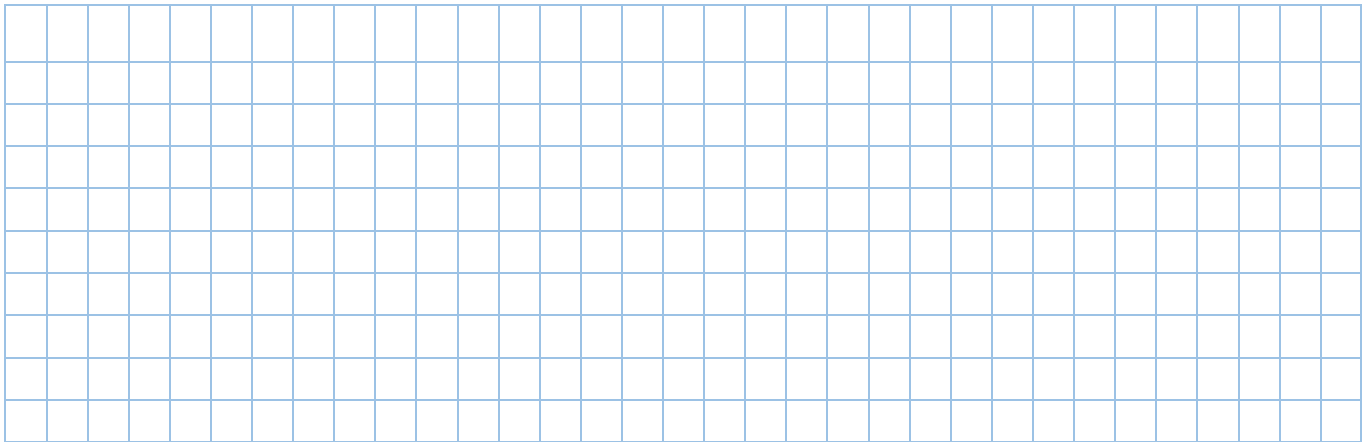
d) What number is half of number 4? _____



7. Long division.

$$2,976 \div 4 =$$

$$5,831 \div 7 =$$



8. Insert missing numbers. Use inverse operation:

$$15 + (5 \times \dots) = 65$$

$$25 + (5 \times \dots) = 55$$

$$150 - (5 \times \dots) = 140$$

$$15 + (5 \times \dots) = 130$$

$$25 + (5 \times \dots) = 70$$

$$150 - (5 \times \dots) = 100$$

9. Calculate using and optimal way (Hint: use commutative property of addition):

$$6 + 15 + 133 + 85 + 267 = \underline{\hspace{10em}}$$

$$17 + 700 + 213 + 300 = \underline{\hspace{10em}}$$

$$288 + 311 + 17 + 112 + 189 + 33 = \underline{\hspace{10em}}$$