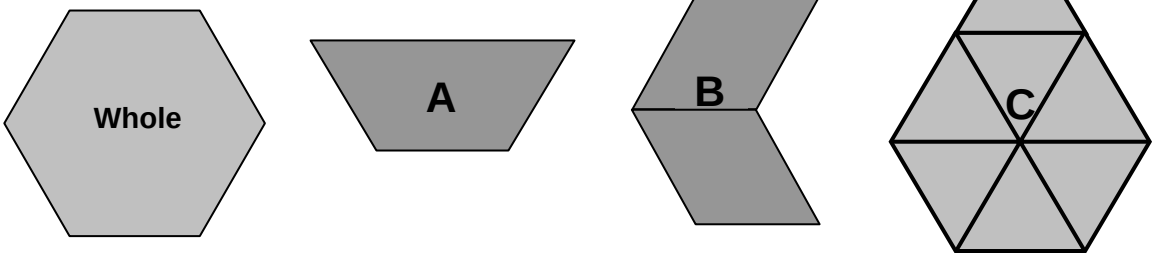
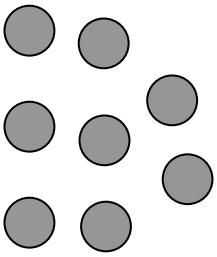
Find the Fraction

1. If the yellow hexagon is 1 whole, what fraction is each shape of the whole?



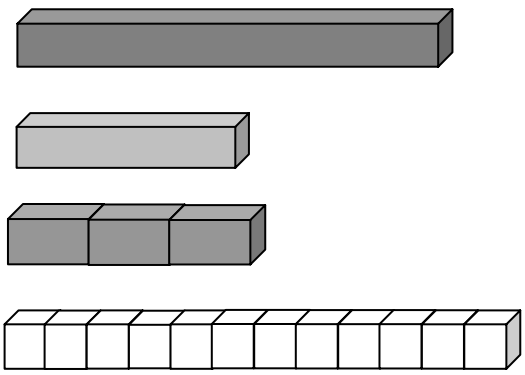


2. If 8 counters are the whole set, what fraction of the whole set is:

a) 4 counters?

b) 6 counters?

c) 10 counters?



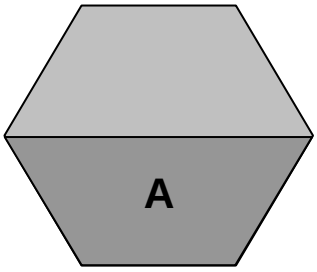
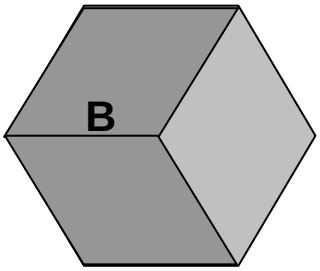
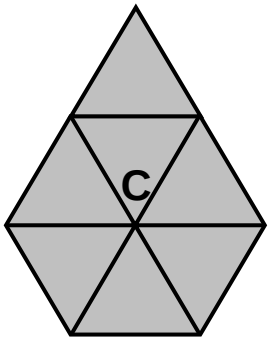
3. If the orange Cuisenaire® Rod is 1 whole, what fraction of the whole is:

a) the yellow rod?

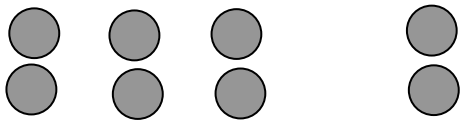
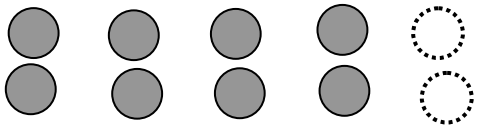
b) 3 red rods?

c) 12 white rods?

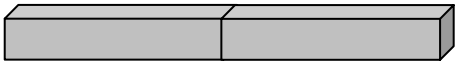
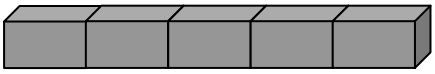
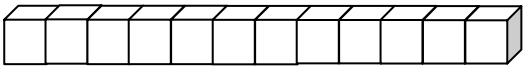
Solutions for Find the Fraction

1. If the yellow hexagon is 1 whole,	
a) Shape A is one half of the whole	 Two red trapezoids cover the yellow hexagon pattern block. Each red trapezoid is one half. Shape A is one half.
b) Shape B is two thirds of the whole	 Three blue rhombuses cover the yellow hexagon pattern block. Each blue rhombus is one third. Shape B is two thirds.
c) Shape C is seven sixths (or 1 and 1/6) of the whole	 Six green triangles cover the yellow hexagon pattern block. Each green triangle is one sixth. Shape C is seven sixths.

Solutions for Find the Fraction (continued)

2. If 8 counters are the whole set:	
a) 4 counters are one half of the whole set.	 Arranging the counters into groups of 4 shows that 4 counters are one half of the set.
b) 6 counters are three fourths of the whole set.	 Two counters are one fourth of the whole set. Six counters are three fourths of the whole set.
c) 10 counters are ten eighths (or five fourths) of the whole set.	 The whole set is eight eighths. Ten counters is ten eighths (or five fourths).

Solutions for Find the Fraction (continued)

3. If the orange Cuisenaire® Rod is 1 whole:	
a) the yellow rod is one half of the orange rod	 1 orange rod  2 yellow rods Two yellow rods are the same length as the orange rod. A yellow rod is one half of the orange rod.
b) 3 red rods are three fifths of the orange rod	 1 orange rod  5 red rods Five red rods are the same length as the orange rod. Each red rod is one fifth of the orange rod. Three red rods are three fifths of the orange rod.
c) 12 white rods are twelve tenths of the orange rod	 1 orange rod  12 white rods Ten white rods are the same length as the orange rod. Each white rod is one tenth of the orange rod. Twelve white rods are twelve tenths of the orange rod.