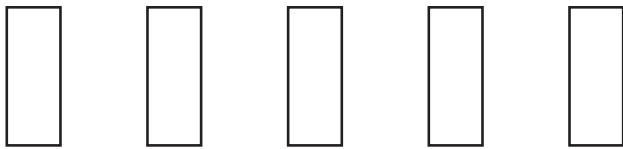


BEEF JERKY: DIVIDING FRACTIONS

1. You have 5 sticks of beef jerky. To how many friends can you give half of a stick of jerky?

a) Use multi-link cubes to model the 5 beef jerky sticks. Record your multi-link models below.



b) On only one stick of jerky in the diagram, shade the portion that you wish to share with each person.

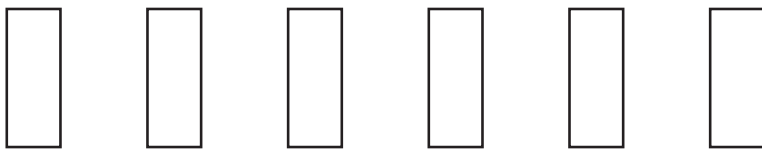
c) Circle as many shares of that portion that you think the 5 sticks will yield. How many is that?

d) This model is traditionally represented and solved in the following manner:

$$5 \div \frac{1}{2} = 5 \cdot \frac{2}{1} = \frac{10}{1} = 10$$

What does the first 10 represent? What does the 1 represent?

2. a) Represent the following division problem with the cubes and record that model below: $6 \div \frac{2}{3}$
Be sure to shade the $\frac{2}{3}$ then circle as many of those $\frac{2}{3}$ portions as possible.



b) This model is traditionally represented and solved in the following manner:

$$6 \div \frac{2}{3} = 6 \cdot \frac{3}{2} = \frac{18}{2} = 9$$

What does the 18 represent? What does the 2 represent?

3. Represent the following division problems with the cubes and record those models below. Be sure to shade the appropriate portions and circle as many of those portions as possible.

a) $4 \div \frac{2}{5}$

b) $3 \div \frac{2}{5}$

c) $\frac{4}{5} \div \frac{1}{3}$

d) $\frac{1}{2} \div \frac{2}{3}$