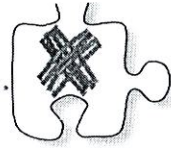


### 6.1.1 How can I share it equally?



Dividing

6-1. FAIR SHARES: How would your team share 5 pieces of licorice? What about 9 pieces? Today you will work with a new team to describe how to distribute the licorice fairly among different numbers of people.

Your Task: For each situation below, explain how to share the licorice fairly among all team members. For each case, represent the amount of licorice each team member will receive with pictures, words, and numbers.

a) Team W has 3 members and gets 5 pieces of licorice.

b) Team X has 5 members and gets 9 pieces of licorice.

c) Team Y has 6 members and gets 10 pieces of licorice.



6-2. Team Poster: Your teacher will designate your team as a W, X, or Y team and assign a specific amount of licorice to share. Working together, prepare a poster and a presentation that explains how you could divide your team's licorice among your team members fairly. Your poster and presentation should include:

- A diagram or diagrams showing how the licorice was divided.
- A division number sentence representing the problem.
- Words that explain what portion of licorice each person gets and why.
- An explanation of how you know that you are sharing fairly.

6-3. For each problem below, write your solution as a fraction.

a)  $6 \div 7$

b)  $3 \div 4$

c)  $1 \div 2$

d)  $5 \div 3$

e)  $10 \div 11$

\* Student work should be varied \*

6-1 \*

a)

b)

c)

6-2

6-3

a) 6

b)  $3 \div 4 = \frac{3}{4}$

c)  $1 \div 2 = \frac{1}{2}$

e)  $10 \div 11 = \frac{10}{11}$

equal \*

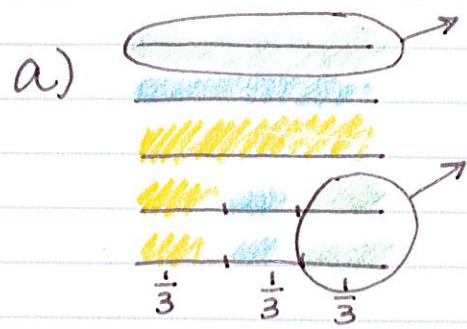
ud

10  
3

1  
3

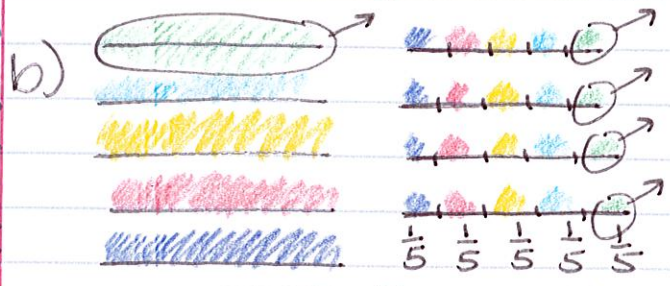
\* Student work should be varied \*

**10-1** \* Students should consider fair as equal \*



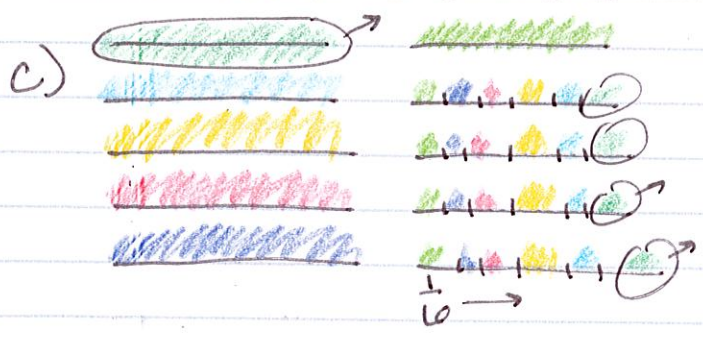
Each person would get  $1\frac{2}{3}$  pieces of licorice.

$$5 \div 3 = 1\frac{2}{3}$$



Each person would get  $1\frac{4}{5}$  pieces.

$$9 \div 5 = 1\frac{4}{5}$$



Each person would get  $1\frac{4}{6}$  ( $1\frac{2}{3}$ ) pieces.

$$10 \div 6 = 1\frac{2}{3}$$

**10-2** Poster

**10-3**

a)  $6 \div 7 = \frac{6}{7}$

d)  $5 \div 3 = \frac{5}{3}$

b)  $3 \div 4 = \frac{3}{4}$

e)  $10 \div 11 = \frac{10}{11}$

c)  $1 \div 2 = \frac{1}{2}$