Making the whole

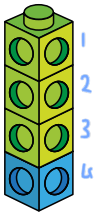
1 Here are some counters.

a) What fraction of the counters are yellow? $\frac{3}{5}$

b) What fraction of the counters are red? $\frac{2}{5}$

c) Complete the number sentence. $\frac{3}{5} + \frac{2}{5} = \frac{5}{5}$

2 Here is a tower of cubes.



a) What fraction of the tower is green? $\frac{3}{4}$

b) What fraction of the tower is blue? $\frac{1}{4}$

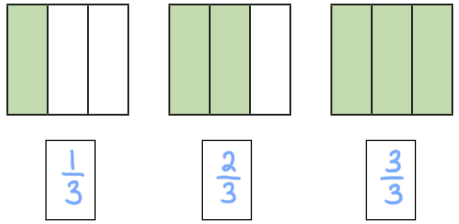
c) Complete the number sentence. $\frac{3}{4} + \frac{1}{4} = \frac{4}{4}$

3 What fraction of each shape is shaded?

Which fraction represents a whole?

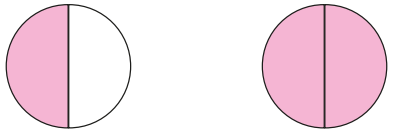
Fill in the missing fractions.

a)



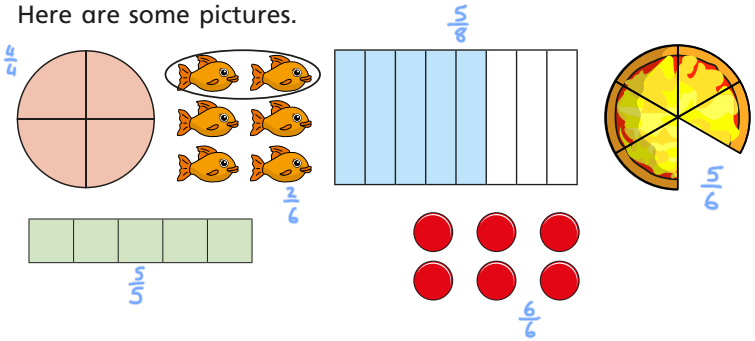
$\frac{1}{3}$ $\frac{2}{3}$ $\frac{3}{3}$ $\frac{3}{3}$ = one whole

b)



$\frac{1}{2}$ $\frac{2}{2}$ $\frac{2}{2}$ = one whole

4 Here are some pictures.



Use the pictures to help you answer the questions.

a) Write three fractions that are less than one whole.

$\frac{2}{6}$ $\frac{5}{8}$ $\frac{5}{6}$

b) Write three fractions that are equal to one whole.

$\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$

What do you notice? Talk about it with a partner.

5 Choose a phrase to complete the sentences.

greater than	less than	equal to

When the numerator is less than the denominator, the fraction is less than one whole.

When the numerator is equal to the denominator, the fraction is equal to one whole.

6 Circle the fractions that are equivalent to one whole

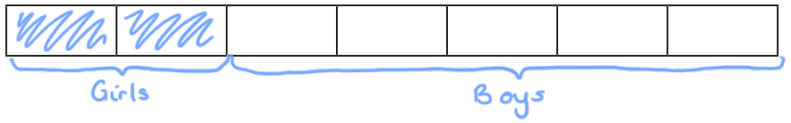
$\frac{3}{5}$ $\frac{4}{4}$ $\frac{6}{10}$ $\frac{2}{2}$

$\frac{10}{10}$ $\frac{8}{9}$ $\frac{3}{3}$ $\frac{5}{5}$

7 Here are $\frac{1}{3}$ of Jack's marbles.

Draw the rest of Jack's marbles in the bar model.

8 $\frac{2}{7}$ of a group of children are girls.



What fraction are boys?

$\frac{5}{7}$ are boys.

9 Each bar model is worth one whole.

Split the bar model and label the missing fractions.

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{7}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

10 Complete the number sentences.

This is the same as one whole.

a) $\frac{3}{5} + \boxed{\frac{2}{5}} = 1$

b) $\boxed{\frac{6}{10}} + \frac{4}{10} = 1$

c) $\boxed{\frac{7}{7}} = \frac{2}{7} + \frac{5}{7}$

d) $\frac{9}{9} = \boxed{\frac{4}{9}} + \frac{5}{9}$