

## Green

**I** Shade the bar models to represent the fractions.

a) Shade  $\frac{1}{2}$  of the bar model.



b) Shade  $\frac{2}{4}$  of the bar model.



What do you notice?

**I** Write  $<$ ,  $>$  or  $=$  to compare the fractions.

Use the bar models to help you.



$$\frac{5}{8} \bigcirc \frac{3}{8}$$



$$\frac{5}{8} \bigcirc \frac{7}{8}$$

1

Complete the additions.

Use the bar models to help you.

a)   $\frac{1}{3} + \frac{1}{3} = \boxed{\phantom{00}}$

b)   $\frac{1}{5} + \frac{1}{5} = \boxed{\phantom{00}}$


c)   $\frac{1}{5} + \frac{2}{5} = \boxed{\phantom{00}}$

d)   $\frac{1}{5} + \frac{3}{5} = \boxed{\phantom{00}}$


1


Complete the subtractions.

Use the bar models to help you.

a)   $\frac{2}{3} - \frac{1}{3} = \boxed{\phantom{00}}$

b)   $\frac{2}{5} - \frac{1}{5} = \boxed{\phantom{00}}$

c)   $\frac{3}{5} - \frac{1}{5} = \boxed{\phantom{00}}$

d)   $\frac{4}{5} - \frac{1}{5} = \boxed{\phantom{00}}$

2

Jack has  $\frac{7}{8}$  of a chocolate bar.

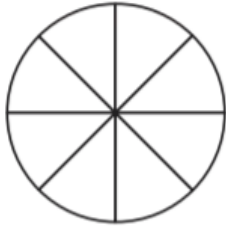
He eats  $\frac{4}{8}$  of the chocolate bar.

What fraction of the chocolate bar does he have left?

# Yellow

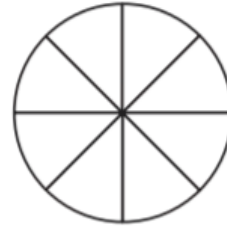
**2** Shade the circles and complete the additions.

a)



$$\frac{1}{8} + \frac{3}{8} = \boxed{\phantom{00}}$$

b)



$$\frac{5}{8} + \frac{1}{8} = \boxed{\phantom{00}}$$

**6** Kim has read  $\frac{6}{7}$  of her book.

Tom has read  $\frac{2}{7}$  of his book.

a) Shade the bar models to represent this information.



b) How much more has Kim read than Tom?

Kim has read  $\boxed{\phantom{00}}$  more of her book than Tom.

**2** Complete the equivalent fractions.

a)  $\frac{1}{2} = \frac{\boxed{\phantom{00}}}{8}$

b)  $\frac{1}{4} = \frac{2}{\boxed{\phantom{00}}}$

2

Write &lt;, &gt; or = to compare the fractions.

a)  $\frac{1}{5}$    $\frac{3}{5}$

d)  $\frac{6}{7}$    $\frac{2}{7}$

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

e)  $\frac{6}{13}$    $\frac{12}{13}$

c)  $\frac{2}{7}$    $\frac{6}{7}$

f)  $\frac{13}{15}$    $\frac{13}{15}$

5

Teddy is adding fractions.



$$\frac{1}{4} + \frac{2}{4} = \frac{3}{8}$$

Explain what Teddy has done wrong. Show your working out.

# Red

7 Write the missing numerators.

a)  $\frac{8}{9} - \frac{\square}{9} = \frac{7}{9}$

e)  $\frac{7}{10} - \frac{5}{10} = \frac{1}{10} + \frac{\square}{10}$

b)  $\frac{5}{11} - \frac{\square}{11} = \frac{4}{11}$

f)  $\frac{\square}{4} - \frac{1}{4} = \frac{1}{4} + \frac{1}{4}$

c)  $\frac{8}{9} - \frac{\square}{9} = \frac{3}{9} + \frac{4}{9}$

g)  $\frac{\square}{5} - \frac{2}{5} = \frac{1}{5} + \frac{2}{5}$

d)  $\frac{7}{9} - \frac{5}{9} = \frac{\square}{9} - \frac{4}{9}$

h)  $\frac{4}{5} + \frac{1}{5} = \frac{3}{7} - \frac{2}{7} + \frac{\square}{7}$

6 Annie has baked 12 muffins.

She puts them into 2 boxes.



What fraction of the muffins could she put in each box?

Complete the table to show different possibilities.

One has been done for you.

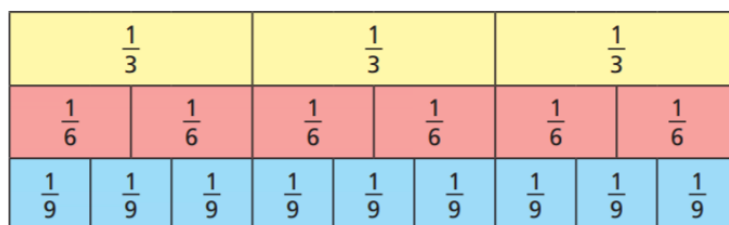
Box 1	Box 2
$\frac{1}{12}$	$\frac{11}{12}$

- 4 What could the missing numerators and denominators be?  
Give three examples for each.

a)  $\frac{1}{5} < \frac{\square}{5}$        $\frac{1}{5} < \frac{\square}{5}$        $\frac{1}{5} < \frac{\square}{5}$

b)  $\frac{1}{5} < \frac{1}{\square}$        $\frac{1}{5} < \frac{1}{\square}$        $\frac{1}{5} < \frac{1}{\square}$

- 2 Use the fraction wall to complete the equivalent fractions.



a)  $\frac{1}{3} = \frac{\square}{6}$

d)  $\frac{2}{3} = \frac{6}{\square}$

b)  $\frac{1}{3} = \frac{\square}{9}$

e)  $\frac{4}{6} = \frac{6}{\square}$

c)  $\frac{2}{3} = \frac{4}{\square}$

f)  $\frac{1}{3} = \frac{\square}{6} = \frac{\square}{9}$

- 4 Match each bar model to its equivalent fraction.

