

**1** Complete the calculations.  
Use bar models to help you.

a)  $\frac{4}{5} + \frac{3}{5} = \square = \square$

c)  $\frac{8}{5} - \frac{6}{5} = \square$

b)  $\frac{6}{5} + \frac{3}{5} = \square = \square$

d)  $\frac{9}{5} - \frac{3}{5} = \square = \square$

**2** Complete the calculations.

a)  $\frac{4}{7} + \frac{2}{7} = \square$

f)  $\frac{17}{9} - \frac{8}{9} = \square = \square$

b)  $\frac{4}{7} + \frac{3}{7} = \square = \square$

g)  $\frac{16}{9} - \frac{8}{9} = \square$

c)  $\frac{4}{7} + \frac{4}{7} = \square = \square$

h)  $\frac{7}{9} + \frac{2}{9} + \frac{8}{9} = \square = \square$

d)  $\frac{8}{7} - \frac{3}{7} = \square$

i)  $\frac{7}{15} + \frac{2}{15} + \frac{8}{15} = \square = \square$

e)  $\frac{7}{9} + \frac{8}{9} = \square = \square$

j)  $\frac{7}{15} - \frac{2}{15} + \frac{8}{15} = \square$



**3**  $\frac{\square}{8} + \frac{\square}{8} = \frac{13}{8}$

What could the missing numerators be?

Give six different possibilities.

**4** Dora has  $2\frac{3}{8}$  litres of juice.

She pours out  $\frac{9}{8}$  litres of juice.

How many litres of juice does she have left?

**5** Fill in the missing numerators.

a)  $\frac{3}{8} + \frac{\square}{8} = \frac{13}{8}$

g)  $\frac{4}{7} + \frac{\square}{7} + \frac{4}{7} = 2$

b)  $\frac{13}{8} - \frac{\square}{8} = \frac{7}{8}$

h)  $\frac{5}{7} + \frac{\square}{7} + \frac{5}{7} = 2$

c)  $\frac{13}{8} - \frac{\square}{8} = 1$

i)  $\frac{6}{7} + \frac{\square}{7} + \frac{6}{7} = 2$

d)  $\frac{11}{9} + \frac{\square}{9} = \frac{22}{9} = 2\frac{\square}{9}$

j)  $\frac{14}{7} + \frac{\square}{7} + \frac{4}{7} = 3$

e)  $\frac{11}{9} + \frac{\square}{9} = \frac{\square}{9} = 2\frac{2}{9}$

k)  $\frac{15}{7} + \frac{\square}{7} + \frac{5}{7} = 3$

f)  $\frac{22}{9} - \frac{\square}{9} = \frac{\square}{9} = 2\frac{2}{9}$

i)  $\frac{16}{7} + \frac{\square}{7} + \frac{6}{7} = 4$

Compare answers with a partner. What do you notice?



3

$$\frac{\square}{8} + \frac{\square}{8} = \frac{13}{8}$$

What could the missing numerators be?

Give six different possibilities.

4

Dora has  $2\frac{3}{8}$  litres of juice.

She pours out  $\frac{9}{8}$  litres of juice.

How many litres of juice does she have left?

5

Fill in the missing numerators.

a)  $\frac{3}{8} + \frac{\square}{8} = \frac{13}{8}$

g)  $\frac{4}{7} + \frac{\square}{7} + \frac{4}{7} = 2$

b)  $\frac{13}{8} - \frac{\square}{8} = \frac{7}{8}$

h)  $\frac{5}{7} + \frac{\square}{7} + \frac{5}{7} = 2$

c)  $\frac{13}{8} - \frac{\square}{8} = 1$

i)  $\frac{6}{7} + \frac{\square}{7} + \frac{6}{7} = 2$

d)  $\frac{11}{9} + \frac{\square}{9} = \frac{22}{9} = 2\frac{\square}{9}$

j)  $\frac{14}{7} + \frac{\square}{7} + \frac{4}{7} = 3$

e)  $\frac{11}{9} + \frac{\square}{9} = \frac{\square}{9} = 2\frac{2}{9}$

k)  $\frac{15}{7} + \frac{\square}{7} + \frac{5}{7} = 3$

f)  $\frac{22}{9} - \frac{\square}{9} = \frac{\square}{9} = 2\frac{2}{9}$

l)  $\frac{16}{7} + \frac{\square}{7} + \frac{6}{7} = 4$

Compare answers with a partner. What do you notice?

6

Here are some fraction cards.

$\frac{9}{8}$	$\frac{13}{8}$	$\frac{1}{8}$	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{7}{8}$
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Use the cards to write pairs of fractions with a total of 2

7

Annie and Dexter both have a skipping rope.

Annie's rope is  $\frac{3}{4}$  m shorter than Dexter's rope.

The ropes are  $\frac{13}{4}$  m altogether.

How long is each skipping rope?