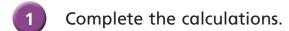
Add and subtract fractions





Use the bar models to help you.

a)





$$\frac{4}{5} + \frac{3}{5} = \boxed{}$$

b)

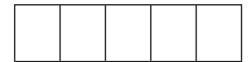




$$\frac{6}{5} + \frac{3}{5} = \boxed{}$$

c)





$$\frac{8}{5} - \frac{6}{5} =$$

d)





$$\frac{9}{5} - \frac{3}{5} = \boxed{}$$

2 Complete the calculations.

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

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

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

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

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

3

What could the missing numerators be?

Give six different possibilities.

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

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

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

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

$$\frac{}{8} + \frac{}{8} = \frac{1}{8}$$

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



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?

Dora has litres left.

Fill in the missing numerators.

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

g)
$$\frac{4}{7} + \frac{1}{7} + \frac{4}{7} = 2$$

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

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

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

i)
$$\frac{6}{7} + \frac{1}{7} + \frac{6}{7} = 2$$

d)
$$\frac{11}{9} + \frac{9}{9} = \frac{22}{9} = 2 \frac{9}{9}$$
 j) $\frac{14}{7} + \frac{7}{7} + \frac{4}{7} = 3$

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

e)
$$\frac{11}{9} + \frac{9}{9} = \frac{9}{9} = 2\frac{2}{9}$$
 k) $\frac{15}{7} + \frac{5}{7} = 3$

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

f)
$$\frac{22}{9} - \frac{9}{9} = \frac{9}{9} = 2\frac{2}{9}$$
 i) $\frac{16}{7} + \frac{6}{7} = 4$

i)
$$\frac{16}{7} + \frac{1}{7} + \frac{6}{7} = 4$$

Compare answers with a partner. What do you notice?



Use the cards to write pairs of fractions with a total of 2

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?

Annie's rope is m long. Dexter's rope is m long.

