

2 Complete the calculations. a)  $\frac{4}{7} + \frac{2}{7} =$ **b)**  $\frac{4}{7} + \frac{3}{7} =$ = c)  $\frac{4}{7} + \frac{4}{7} =$ = d)  $\frac{8}{7} - \frac{3}{7} =$ **e)**  $\frac{7}{9} + \frac{8}{9} =$ = 3 8 What could the missing numerators be?

Give six different possibilities.

















## 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.



Compare answers with a partner. What do you notice?

6

7

Here are some fraction cards.

$$\begin{array}{|c|c|c|}\hline \underline{9} \\ \hline 8 \\\hline 8 \\\hline \end{array} \end{array} \begin{array}{|c|c|}\hline \underline{13} \\\hline 8 \\\hline \hline 8 \\\hline \end{array} \end{array} \begin{array}{|c|}\hline 1 \\\hline 8 \\\hline \end{array}$$

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.



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# Add fractions

1

Complete the calculations.

Use the bar models to help you.







2 Complete the additions. **a)**  $\frac{4}{5} + \frac{7}{20} =$ = **b)**  $\frac{5}{4} + \frac{7}{20} =$ = c)  $\frac{3}{4} + \frac{5}{12} =$ = Match the additions that have the same answer. 3  $\frac{3}{5} + \frac{9}{20}$  $\frac{3}{4} + \frac{9}{20}$  $\frac{4}{5} + \frac{9}{20}$  $\frac{7}{10} + \frac{9}{20}$ 

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**C** 



$$\frac{16}{20} + \frac{9}{20}$$

$$\frac{12}{20} + \frac{9}{20}$$

$$\frac{14}{20} + \frac{9}{20}$$

$$\frac{15}{20} + \frac{9}{20}$$

- Complete the addition pyramids. Dexter has some tins of food. There are four types of food: beans, 5 a) <u>7</u> 6 <u>2</u> 3 <u>1</u> 3 **c)** <u>1</u> 2 <u>3</u> 10 <u>1</u> 5 What could the three missing numerators be? 6 Give three different possibilities.  $\frac{1}{12} + \frac{13}{12} + \frac{13}{3} = \frac{13}{12}$  $\frac{1}{12} + \frac{13}{12} + \frac{13}{3} = \frac{13}{12}$ 
  - $\frac{1}{12} + \frac{1}{3} = \frac{13}{12}$

b) How much do the tins of tomatoes weigh?

- sweetcorn, soup and tomatoes. • The total weight of all the tins is 2 kg.

  - The tins of beans weigh  $\frac{2}{3}$  kg.

4

- The tins of sweetcorn weigh  $\frac{5}{12}$  kg.
- The tins of soup weigh  $\frac{1}{4}$  kg.
- a) Work out the total weight of the tins of beans, sweetcorn and soup.













e) 
$$4\frac{1}{4} + 2\frac{11}{16} =$$
  
f)  $1\frac{4}{15} + 3\frac{2}{3} =$   
 $3 + \frac{13}{10} = 3\frac{13}{10}$   
?  
b)  $3\frac{2}{3} + 2\frac{7}{12} =$ 

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Shot Put	Discus
7 <u>5</u> m	
	12 <mark>7</mark> m
9 m	11 <u>5</u> m





