

# Add two or more fractions



1 Complete the additions.



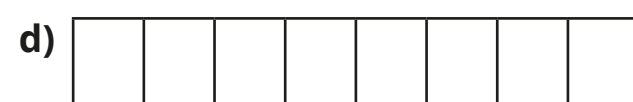
$$\frac{1}{5} + \frac{2}{5} = \square$$



$$\frac{1}{5} + \frac{3}{5} = \square$$

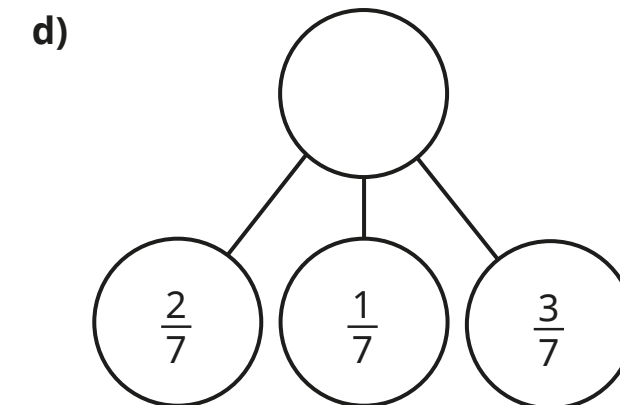
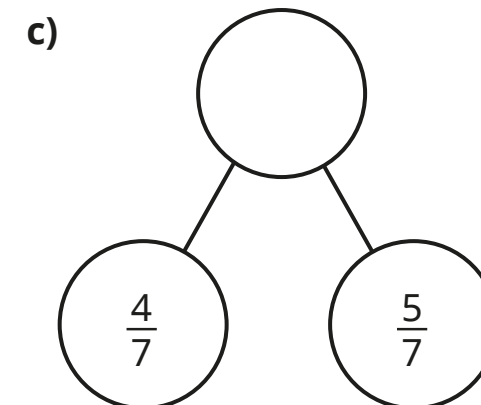
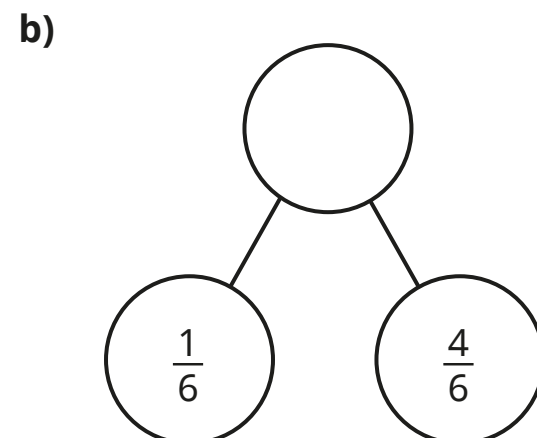
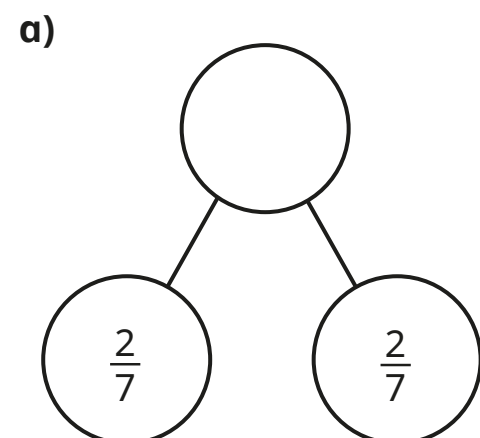


$$\frac{3}{8} + \frac{3}{8} = \square$$



$$\frac{3}{8} + \frac{1}{8} = \square$$

2 Complete the part-whole models.



Which part-whole model is the odd one out?

Explain your choice to a partner.

Did you both have the same answer?

3 Complete the additions.

a)  $\frac{3}{7} + \frac{3}{7} = \square$

e)  $\frac{8}{11} + \frac{6}{11} = \square = \square$

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

f)  $\frac{4}{11} + \frac{4}{11} + \frac{6}{11} = \square = \square$

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

g)  $\frac{3}{11} + \frac{3}{11} + \frac{8}{11} = \square = \square$

d)  $\frac{8}{5} + \frac{6}{5} = \square = \square$

h)  $\frac{3}{7} + \frac{3}{7} + \frac{8}{7} = \square = \square$

4 What could the missing numerators be?

$$\frac{\square}{4} + \frac{\square}{4} = \frac{9}{4}$$

Give four different possibilities.

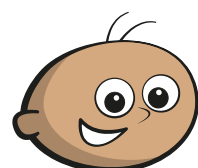
$$\frac{\square}{4} + \frac{\square}{4} = \frac{9}{4}$$

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5 Tommy is adding fractions.



$$\frac{3}{4} + \frac{3}{4} = \frac{6}{8}$$

Explain why Tommy is incorrect.

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6 Complete the number sentences.

a)  $\frac{3}{8} + \frac{\square}{8} = \frac{7}{8}$

e)  $\frac{4}{9} + \frac{\square}{9} = \frac{13}{9} = 1 \frac{\square}{9}$

b)  $\frac{3}{8} + \frac{\square}{8} = 1$

f)  $\frac{4}{9} + \frac{\square}{9} = \frac{\square}{9} = 1 \frac{7}{9}$

c)  $\frac{3}{16} + \frac{\square}{\square} = 1$

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

d)  $\frac{4}{9} + \frac{\square}{9} = \frac{11}{9} = 1 \frac{\square}{9}$

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

7 Rosie, Whitney and Teddy have each been for a walk.

- Rosie walked  $\frac{5}{8}$  km.
- Whitney walked  $\frac{7}{8}$  km.
- Teddy walked  $\frac{3}{8}$  km.

a) How far did they walk altogether?

 km

b) Jack also went for a walk.

Altogether the four children walked 3 km.

How far did Jack walk?

 km
