

Add 2 or more fractions

1 Complete the additions.



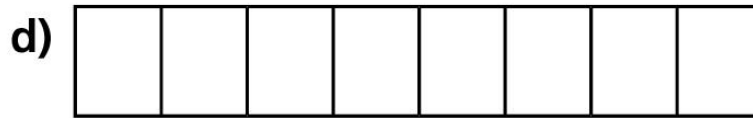
$$\frac{1}{5} + \frac{2}{5} = \square$$



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



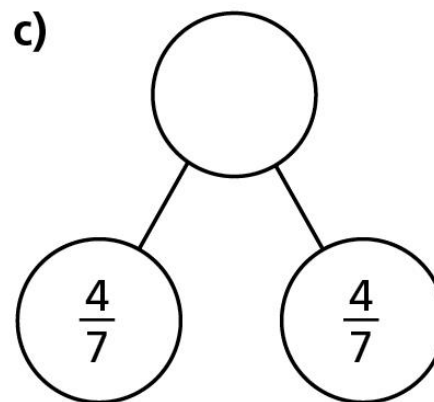
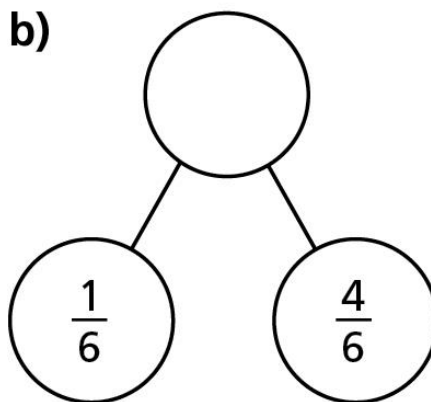
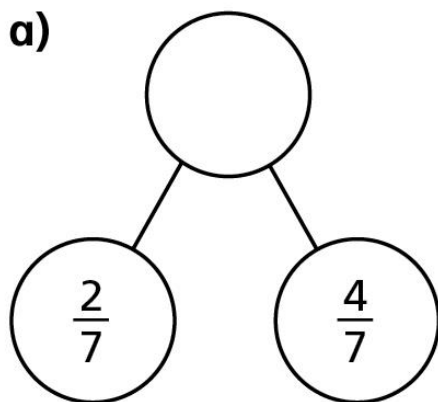
$$\frac{3}{8} + \frac{3}{8} = \square$$



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



2 Complete the part-whole models.



d) 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.

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

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

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

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

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

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

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

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

4

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

What could the missing numerators be?

Give four different possibilities.

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

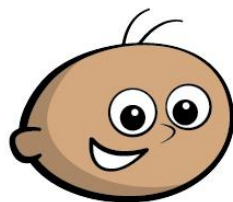
$$\frac{\square}{4} + \frac{\square}{4} = \frac{9}{4}$$

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5 Tommy is adding fractions.



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

Explain why Tommy is incorrect.

6 Complete the number sentences.

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

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

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

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

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

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

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

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