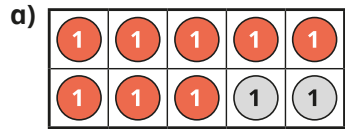


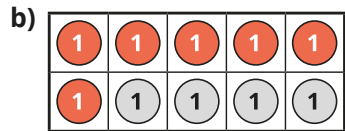
1 What calculations are shown on the ten frames?



$$8 + \square = 10$$



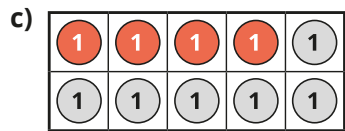
$$0.8 + \square = 1$$



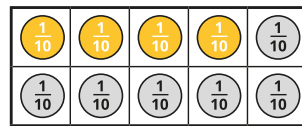
$$\square + \square = 10$$



$$\square + \square = 1$$



$$\square + \square = 10$$



$$\square + \square = 1$$

What is the same about the calculations in each pair?

What is different?



2 The hundred square represents 1 whole.

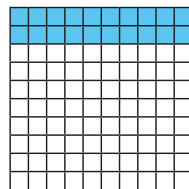
a) How many tenths of the hundred square are shaded?

b) How many tenths of the hundred square are **not** shaded?

c) Write the bond to 1 whole shown on the hundred square.

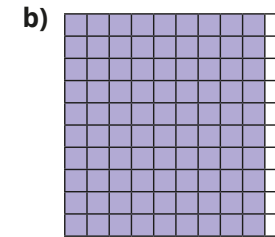
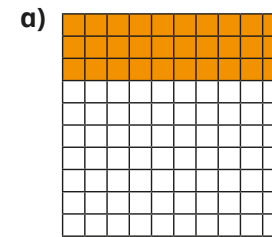
$$\square \text{ tenths} + \square \text{ tenths} = 1 \text{ whole}$$

$$\square + \square = 1$$

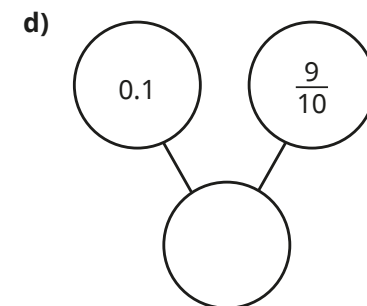
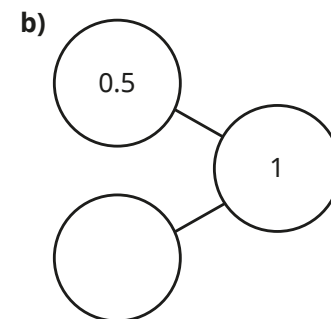
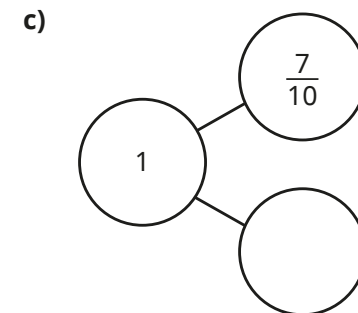
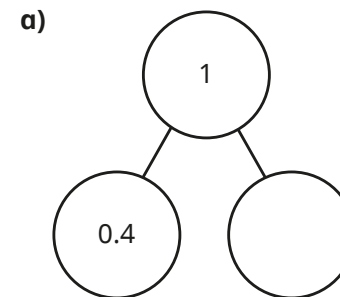


3 Each hundred square represents 1 whole.

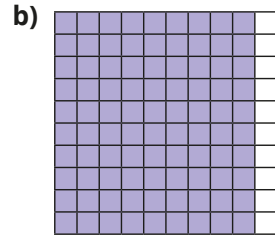
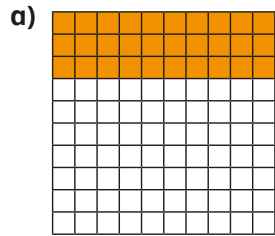
Write the bonds to 1 whole shown on the hundred squares.



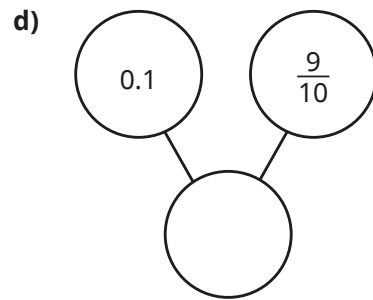
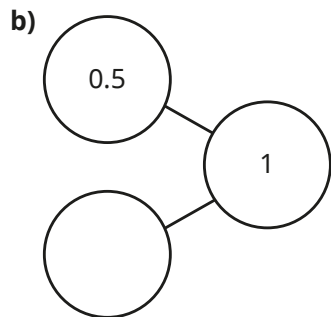
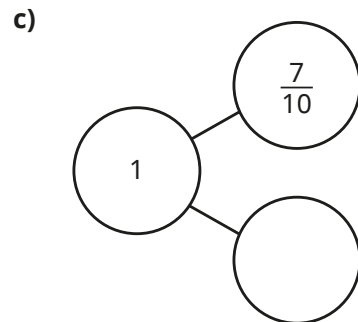
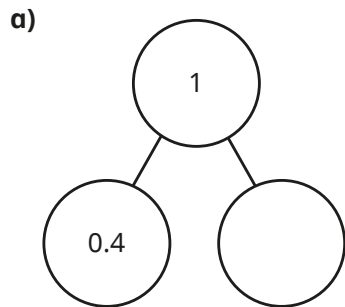
4 Complete the part-whole models.



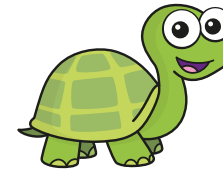
3 Each hundred square represents 1 whole.
Write the bonds to 1 whole shown on the hundred squares.



4 Complete the part-whole models.



5 Tiny is adding tenths.



$$0.9 + 0.1 = 0.10$$

Is Tiny correct?

Explain your answer.

6 Work out the missing numbers.

a) $0.3 + 0.4 + \square = 1$ d) $\frac{1}{10} + \square + 0.3 = 1$

b) $1 = \frac{3}{10} + \frac{1}{10} + \square$ e) $\frac{3}{10} + \square = 1 - \frac{1}{10}$

c) $0.5 + \frac{3}{10} + \square = 1$ f) $1 - 0.6 = \square + 0.1$

7 Ron and Sam are each thinking of a number.



Ron

My number is $\frac{7}{10}$ less than 1 whole.



Sam

My number is double Ron's number.

What is the bond to 1 whole for Sam's number?

Give your answer as a fraction and as a decimal.

How did you work it out?