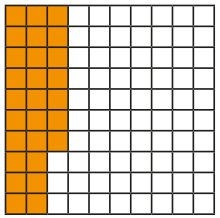
Make a whole

1 Here is a hundred square.



a) How many hundredths are shaded? 27

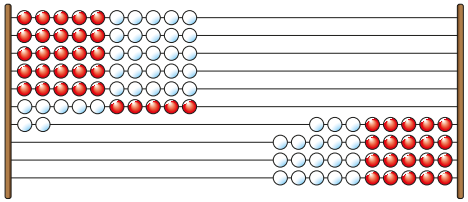
b) How many more hundredths do you need to shade so that the whole hundred square is shaded? 73

c) Complete the sentence.

27 hundredths + 73 hundredths = 1 whole

2 Here is a Rekenrek with 100 beads.

Each bead is one hundredth of the whole.



Complete the sentences.

a) 62 hundredths are on the left.

b) 38 hundredths are on the right.

c) 0·62 + 0·38 = 1

3 Fill in the missing digits.

a) 1 tenth = 10 hundredths

b) $\frac{2}{10} = \frac{20}{100}$

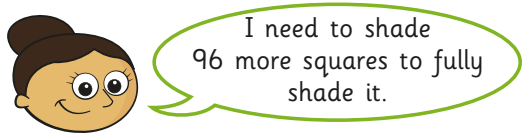
c) 70 hundredths = 7 tenths

d) 32 hundredths = 0·32

e) 0.4 = 4 tenths

f) 50 hundredths = 0·5

4 Dora has shaded 4 tenths of a hundred square.

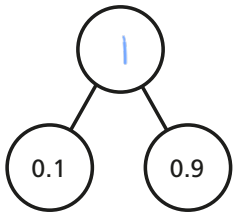


Do you agree with Dora? NO

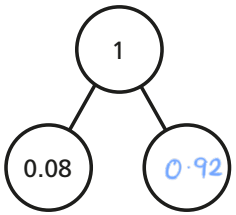
Explain your reasoning.

5 Complete the part-whole models.

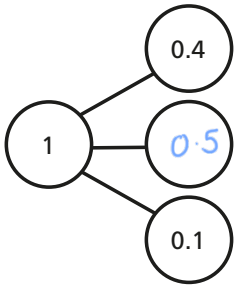
a)



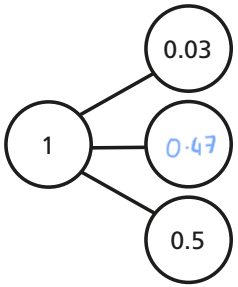
c)



b)



d)



6 Tick the calculations that do **not** sum to 1

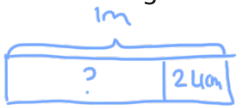
0.4 + 0.6 ☐	0.4 + 0.06 ☑	0.04 + 0.06 ☑
0.8 + 0.92 ☑	0.08 + 0.92 ☐	0.92 + 0.08 ☐

How did you work this out?

7 Mo has a metre-long piece of ribbon.

He cuts off a piece of ribbon 24 cm long.

What is the length of the remaining ribbon?



1m = 100 cm

100 − 24 = 76

76cm = 0·76 m

The length of the remaining ribbon is [0·76] m.

8 Fill in the missing numbers.

a) 0.1 + [0·9] = 1

b) [0·99] + 0.01 = 1

c) 0.03 + [0·97] = 1

d) 0.15 + 0.64 + [0·21] = 1

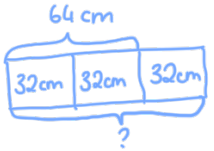
e) 0.15 + [0·2] + 0.65 = 1

f) [0·46] + 0.04 + 0.5 = 1

9 Two identical bead strings have a total length of 64 cm.

Would the total length of three of these bead strings be longer or shorter than a metre? Shorter

Explain how you know.



64 ÷ 2 = 32

1 bead string is 0·32 m

3 × 0·32 = 0·96 m

0·96 m < 1 m

10 Here are eight number cards.

$\frac{6}{10}$ $\frac{19}{100}$ 0.2 0.5 $\frac{8}{10}$ 0.01 $\frac{30}{100}$ 0.4

Use the number cards to make each calculation correct.

You can use each number once only.

$\frac{6}{10}$ + [0·4] = 1

$\frac{8}{10}$ + $\frac{19}{100}$ + [0·01] = 1

[0·5] + [0·2] + $\frac{30}{100}$ = 1

How many other ways can you find to make a total of 1?