Class 3 Home Learning, week beginning 11th May 2020

# Maths  -  Year 4

## Summer Term
## Week 1 (w/c 20 April)

## Lesson 1
## Make a whole

Please watch the video before choosing your challenge.

Why not have a go at the reasoning
and problem solving too?

Can I make a whole?

Challenge 1

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-5 mentioned in the video are questions 1-5 in Challenge 1.

1) Please write your answers in your maths book. You do not need to draw the hundred square.
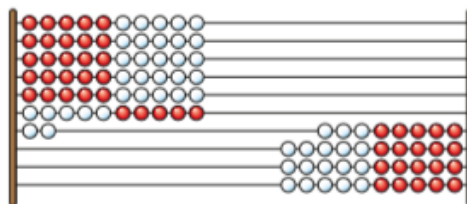
Here is a hundred square.
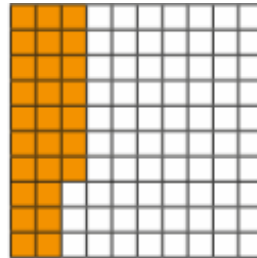
a) How many hundredths are shaded?

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

c) Complete the sentence.

☐ hundredths + ☐ hundredths = 1 whole

2) Copy and complete the sentences.

Here is a Rekenrek with 100 beads.

Each bead is one hundredth of the whole.

Complete the sentences.

a) ☐ hundredths are on the left.

b) ☐ hundredths are on the right.

c) ☐ + ☐ = 1

3) Copy and complete.

a) 1 tenth = ☐ hundredths    d) 32 hundredths = ☐

b) $\frac{2}{10} = \frac{\square}{100}$    e) 0.4 = ☐ tenths

c) 70 hundredths = ☐ tenths    f) 50 hundredths = ☐

4)

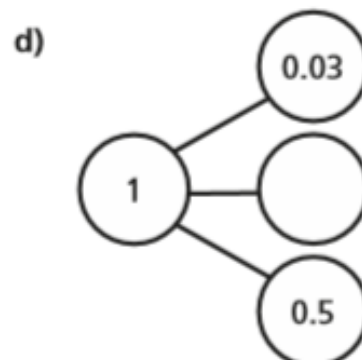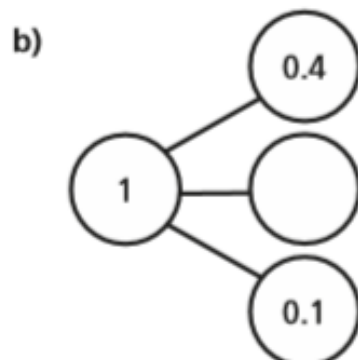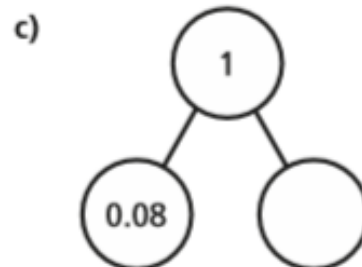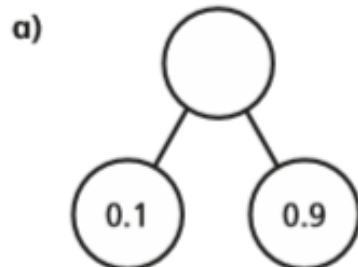Dora has shaded 4 tenths of a hundred square.

I need to shade 96 more squares to fully shade it.

Do you agree with Dora? _____

Explain your reasoning.

5) Copy and complete.

Complete the part-whole models.

a)

0.1    0.9

c)

1

0.08

b)

0.4

1

0.1

d)

0.03

1

0.5

Can I make a whole?

<span style="color:orange">Challenge 2</span>

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-5 mentioned in the video are questions 1-5 in Challenge 1.

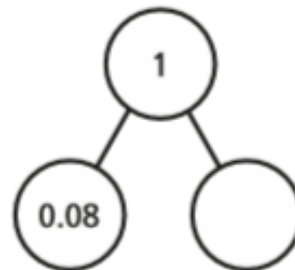Questions 5-10 in the video and in the answers are questions 1-6 in this challenge.

1) Copy and complete.
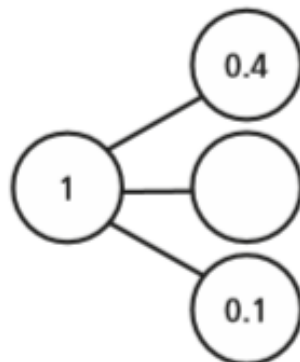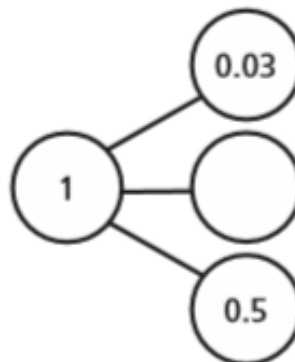
Complete the part-whole models.

a)

0.1    0.9

c)

1

0.08

b)

0.4

1

0.1

d)

0.03

1

0.5
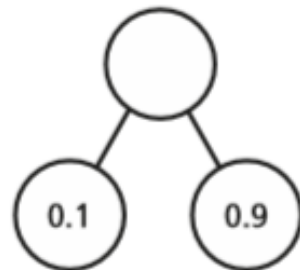
2) In your maths book, write the sums that DO NOT equal 1.

0.4 + 0.6

0.4 + 0.06

0.04 + 0.06

0.8 + 0.92

0.08 + 0.92

0.92 + 0.08

3) Please write your calculations in your maths book.

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?

4) Copy and complete.

Fill in the missing numbers.

a) 0.1 + ☐ = 1

d) 0.15 + 0.64 + ☐ = 1

b) ☐ + 0.01 = 1

e) 0.15 + ☐ + 0.65 = 1

c) 0.03 + ☐ = 1

f) ☐ + 0.04 + 0.5 = 1

5) Explain in writing how you know.

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?  _____

6) Please write your answers in your maths book.

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.

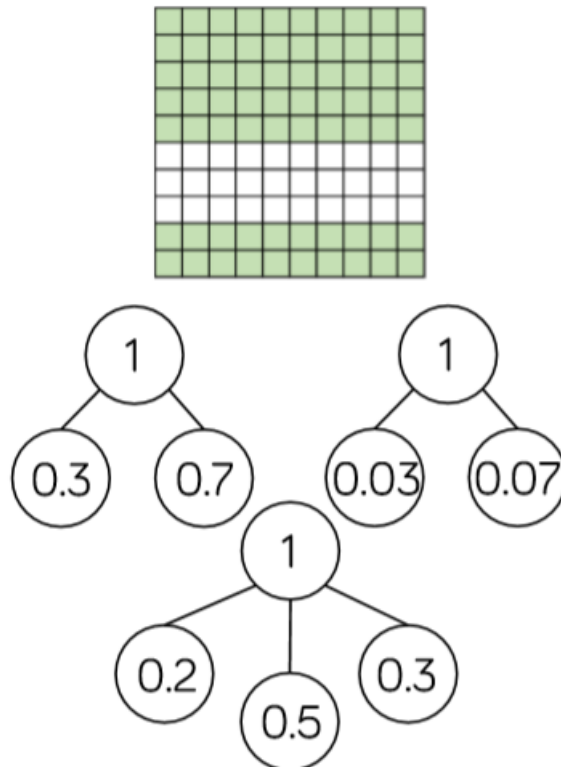☐ + ☐ = 1

☐ + ☐ + ☐ = 1

☐ + ☐ + ☐ = 1

Can I make a whole?

**Reasoning and problem solving**

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

1) Please explain your answer in writing.

Which part-whole model does not match the hundred square?
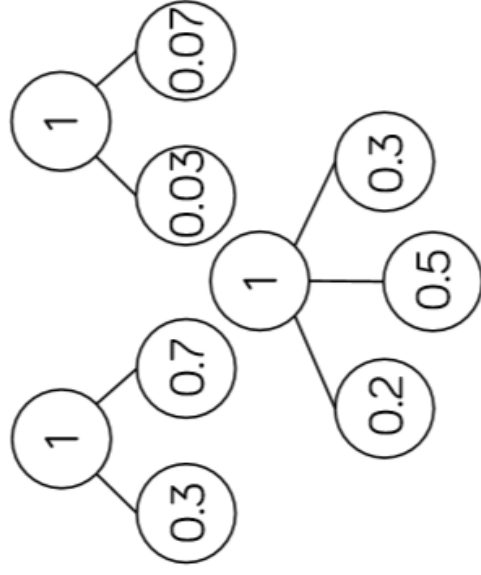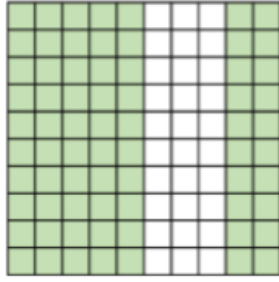


2) Please explain in writing how you know.

Three bead strings are 0.84 m long altogether.

Would four bead strings be longer or shorter than a metre?

## Reasoning and Problem Solving

Which part-whole model does not match the hundred square?

0.03 + 0.07 does not equal one whole so this one does not match.



Explain your answer.

Three bead strings are 0.84 m long altogether.

Would four bead strings be longer or shorter than a metre?

Explain how you know.

Longer because each bead string is 28 cm (0.28 m) long, and 0.84 + 0.28 = 1.12 which is greater than 1 metre.