Homework/Extension
Step 2: Tenths as Decimals

National Curriculum Objectives:

Mathematics Year 4: (4F6b) Recognise and write decimal equivalents of any number of tenths or hundredths

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match the image to the decimal. Write the decimal and fraction to match the remaining image. Includes numbers less than 1 using hundred squares as support.
Expected Match the image to the decimal. Write the decimal and fraction to match the remaining image. Includes numbers less than 1 with a variety of pictorial representations.
Greater Depth Match the representation to the decimal. Write the decimal and fraction to match the remaining representation. Includes numbers less than 1 with limited pictorial support and some use of equivalent fractions.

Questions 2, 5 and 8 (Varied Fluency)
Developing Complete the missing information based on the image provided. Includes numbers less than 1 using hundred squares as support.
Expected Complete the missing information and use the information to correctly shade an image. Includes numbers less than 1.
Greater Depth Complete the missing information and use the information to create a pictorial representation. Includes numbers less than 1 and some use of equivalent fractions.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain if a statement is correct using numbers less than 1 and a labelled number line as support.
Expected Explain if a statement is correct using numbers less than 1 on a number line.
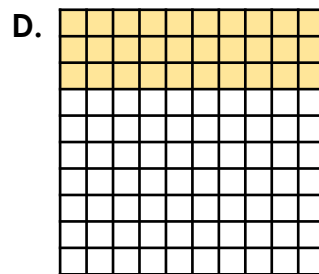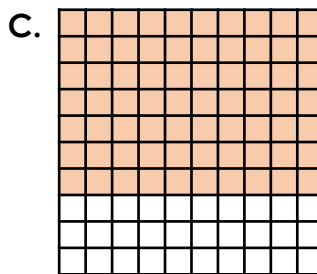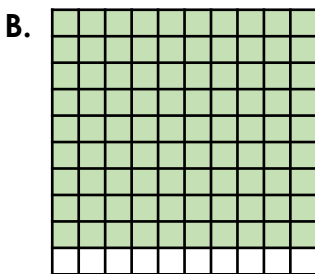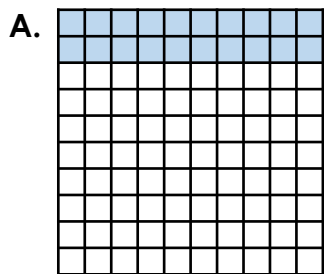**Greater Depth** Explain if a statement is correct using numbers less than 1 and some use of equivalent fractions.

More Year 4 Decimals resources.

Did you like this resource? Don't forget to review it on our website.

Tenths as Decimals

1. Match the image to the correct decimal.

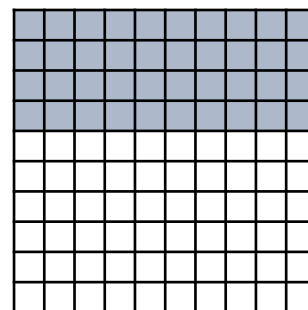A. B. C. D.

1. 0.7   2. 0.3   3. 0.2

Write the decimal and fraction which matches the odd one out.

VF
HW/Ext

2. Complete the missing values in the table based on the image.

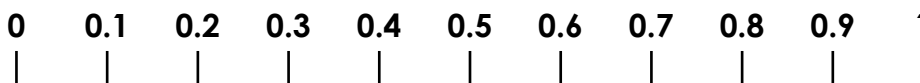| Words	_____tenths
Fraction	$\dfrac{\square}{10}$
Decimal	$0.\square$

VF
HW/Ext

3. Dua is thinking of a decimal between $\dfrac{3}{10}$ and $\dfrac{9}{10}$.

Demi says,

I think Dua's decimal is 0.7

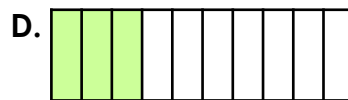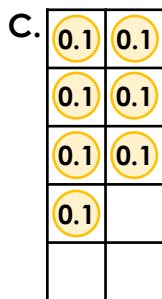0   0.1   0.2   0.3   0.4   0.5   0.6   0.7   0.8   0.9   1

Is Demi correct? What decimals could Dua be thinking of?

RPS
HW/Ext

Homework/Extension – Tenths as Decimals – Year 4 Developing

Tenths as Decimals

4. Match the image to the correct decimal.

A.

B.

C. 0.1 0.1
0.1 0.1
0.1 0.1
0.1

D.

1. 0.6   2. 0.3   3. 0.4
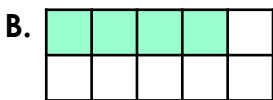
Write the decimal and fraction which matches the odd one out.

5. Complete the missing values in the table.

Words	nine tenths
Fraction	$\frac{\square}{\square}$
Decimal	$\square . \square$

Use the information from the table to correctly shade the image.

6. Jon is thinking of a decimal between $\frac{1}{10}$ and $\frac{6}{10}$.
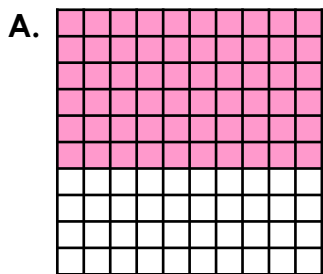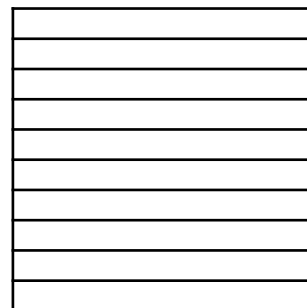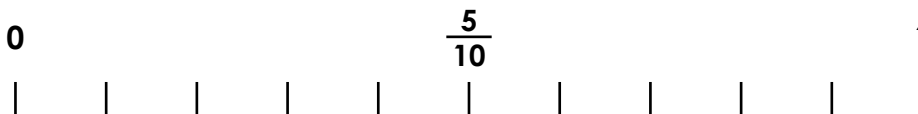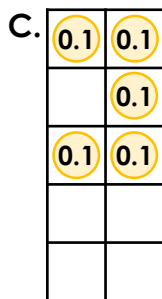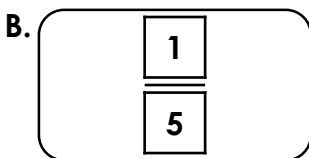
Megan says,

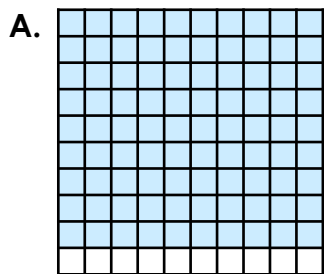I think Jon's decimal is 0.7

0      $\frac{5}{10}$ 1

Is Megan correct? What decimals could Jon be thinking of?

Tenths as Decimals

7. Match the representation to the correct decimal.

A.

B.

1
5

C.

0.1	0.1
	0.1
0.1	0.1

D.

zero ones and seven tenths

1. 0.7   2. 0.2   3. 0.5

Write the decimal and fraction which matches the odd one out.

VF
HW/Ext

8. Complete the missing values in the table.

Words	six tenths
Fraction	☐/5 or ☐/10
Decimal	☐.☐

Create an image to represent the decimal.
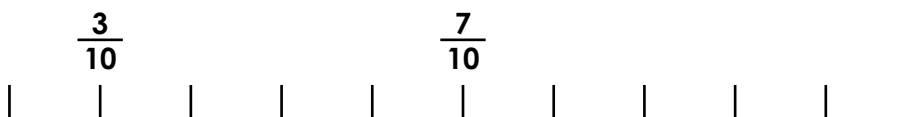
VF
HW/Ext

9. Peter is thinking of a decimal between $\frac{1}{5}$ and $\frac{4}{5}$.

Jayden says,

I think Peter's decimal is 0.1

$\frac{3}{10}$ $\frac{7}{10}$

Is Jayden correct? What decimals could Peter be thinking of?

RPS
HW/Ext

Developing

1. **A. 3; C. 1; D. 2; B shows 0.9 or $\frac{9}{10}$**

2. **4 tenths; $\frac{4}{10}$; 0.4**

3. **Demi is correct because the decimal must be bigger than 0.3 and smaller than 0.9.**

Dua could be thinking of any decimal between those values.

Expected

4. **A. 1; B. 3; D. 2; C shows 0.7 or $\frac{7}{10}$**

5. **$\frac{9}{10}$; 0.9; 9 parts shaded**

6. **Megan is not correct because the decimal must be bigger than 0.1 and smaller than 0.6. Jon could be thinking of any decimal between those values.**

Greater Depth

7. **B. 2; C. 3; D. 1; A shows 0.9 or $\frac{9}{10}$**

8. **$\frac{3}{5}$ or $\frac{6}{10}$; 0.6; any appropriately shaded image to represent the decimal.**

9. **Jayden is not correct because the decimal must be bigger than 0.2 and smaller than 0.8. Peter could be thinking of any decimal in between those values.**