Decimals

LO: To be able to add and subtract decimals.

LO: To be able to find the area of a triangle.

1) Zone

2) Have you seen this before?

3) Adding decimals on a number line.

4) Vote 👏 OR 👍

4) Practice questions.

5) Follow up work.

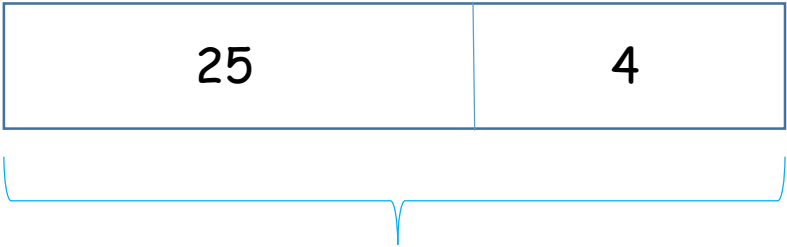| Blue Zone	Green Zone	Yellow Zone	Red Zone
Going slow	Good to go	Caution Starting to lose control	Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated

LO – To be able to use a bar model to find number facts.

1)

| 5 | 3 |

....

2)

| 16 | 2 |

....

3)

| 25 | 4 |

....

4)

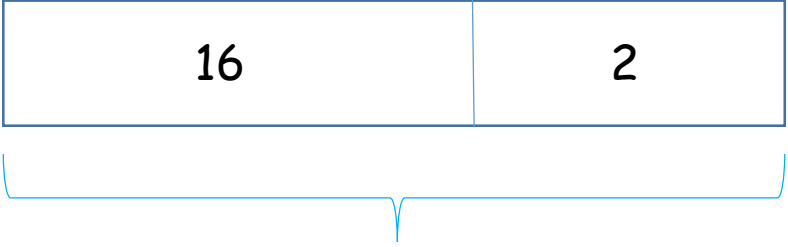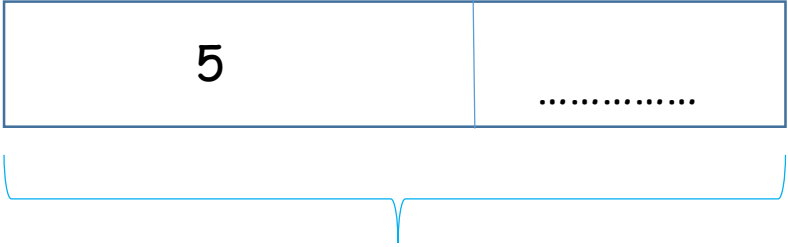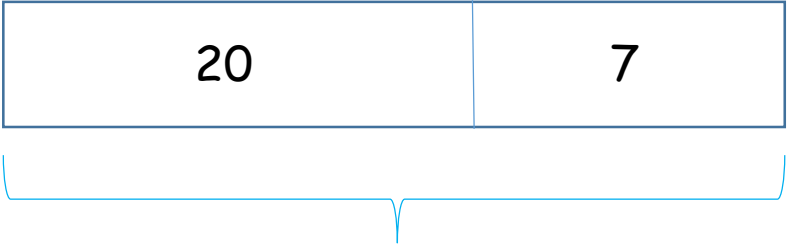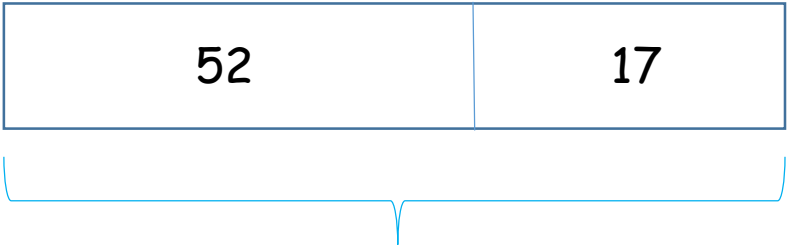| 5 | .... |
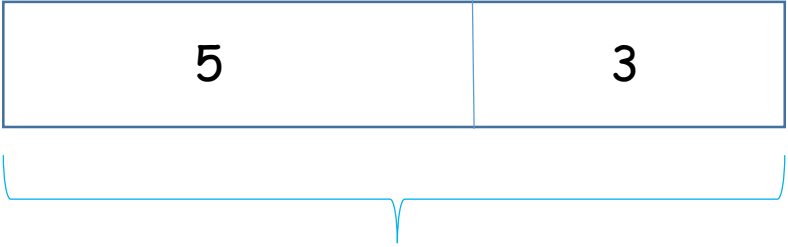
9

LO – To be able to use a bar model to find number facts.

1)

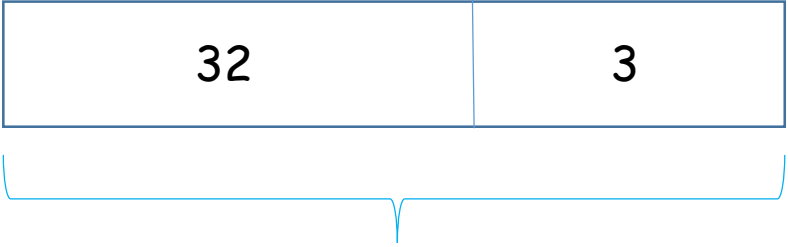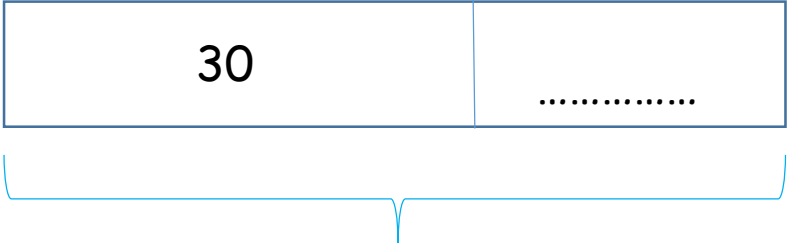| 20	7

....

2)

32	3

....

3)

52	17

....

4)

30	....

39

Adding decimals within 1

1 Work out the additions.

Use the number lines to help you.
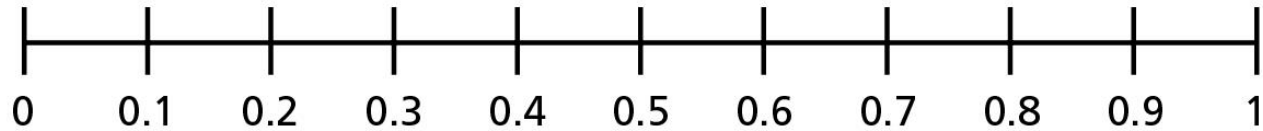
a) 0.3 + 0.2 = ☐

© White Rose Maths 2020
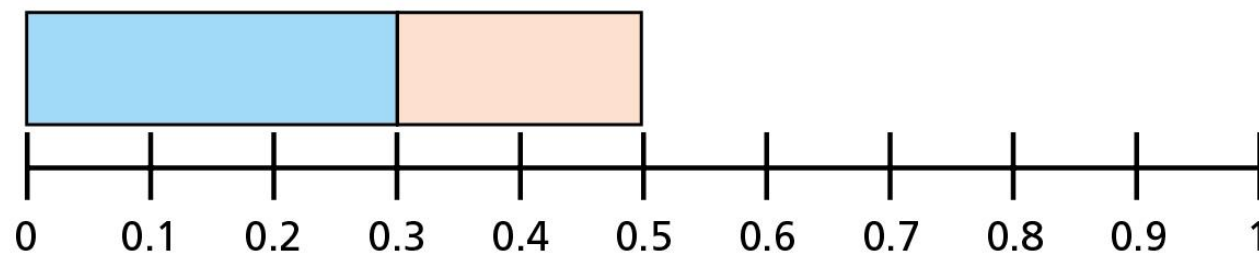
1 **b)** 0.1 + 0.4 = ☐
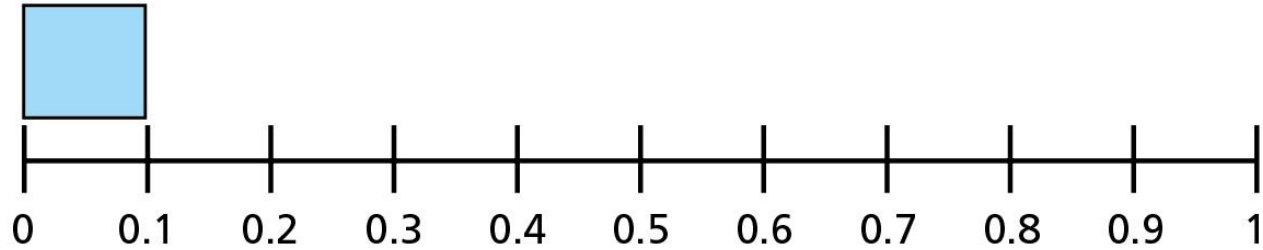
c) 0.2 + 0.1 + 0.2 = ☐

What do you notice about your answers?
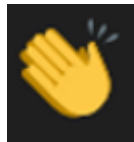
LO: To be able to add decimals.

Vote

0.4 + 0.2 =

0.6   OR   0.42
👏   👍
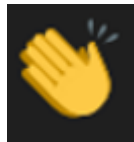
LO: To be able to add decimals.

Vote

0.2 + 0.3 =

0.6   OR   0.5
👏   👍

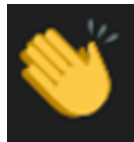LO: To be able to add decimals.

<u>Vote</u>

$$0.4 + 0.2 + 0.1 =$$

0.8   OR   0.7
👏   👍

LO: To be able to add decimal numbers.

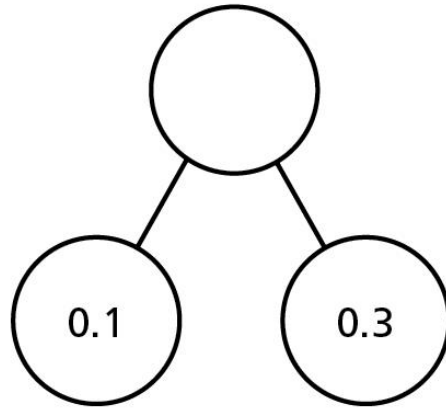Use the Chat button at the bottom of your screen to answer the questions.

You can chose to just reply to Mrs Gould, Mrs Rushworth or everybody.

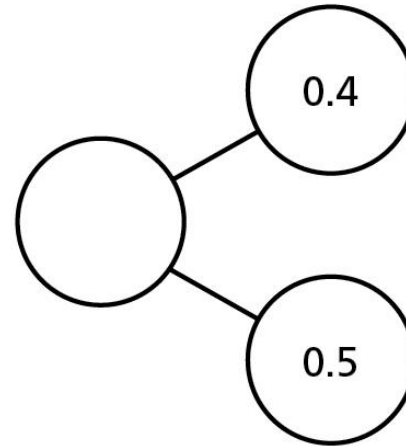| Ollie 0.3 + 0.4 =	Jamie 0.5 + 0.2 =	Kasey 0.1 + 0.3 =
Challenge 1) 0.3 + 0.4 + 0.2 = 2) 0.6 + 0.8 =	Harrison 0.6 + 0.3 =	Rihanna 0.6 + 0.1 =

2 Complete the part-whole models.

a)

b)

c)

d)

© White Rose Maths 2020
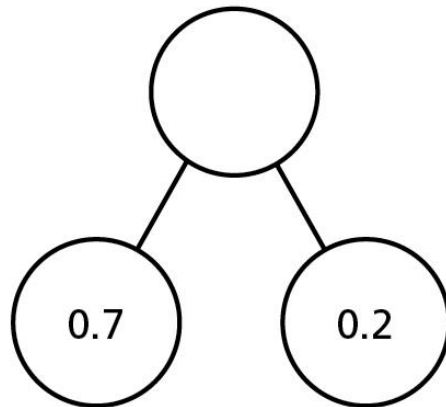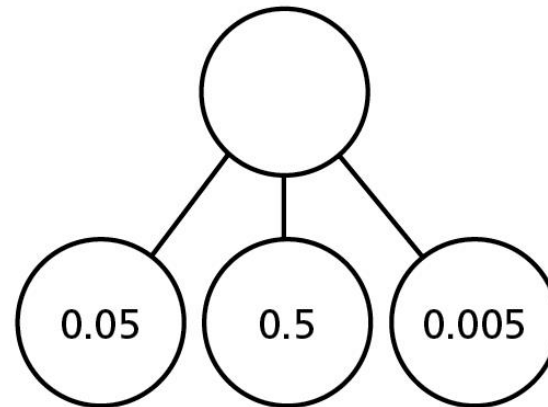
3 Complete the additions.

Use the place value charts to help you.

a) 0.42 + 0.3 = ☐

Ones	•	Tenths	Hundredths
	•	0.1 0.1 0.1 0.1	0.01 0.01
+	•	0.1 0.1 0.1	

b) 0.28 + 0.32 = ☐

Ones	•	Tenths	Hundredths
	•		
+	•		

3 **c)** 0.28 + 0.36 = ⬚

Ones	•	Tenths	Hundredths
	•		
	•		

+

4 Use the column method to work out the additions.

a)

```
    0 . 4   2
+   0 . 3
  _____
      .
```

c)

```
    0 . 4   0   2
+   0 . 0   3
  _____
      .
```

b)

```
    0 . 0   4
+   0 . 3   3
  _____
      .
```

d)

```
    0 . 4   2
+   0 . 0   3   3
  _____
      .
```

5 Jack has set up a column addition to work out 0.19 + 0.07

What mistake has Jack made?

$$
\begin{array}{r}
0 \cdot 1 \quad 9 \\
+ \quad 0 \cdot 7 \quad \\
\hline
\cdot \quad \\
\hline
\end{array}
$$

LO: To be able to add decimal numbers.

Use the Chat button at the bottom of your screen to answer the questions.

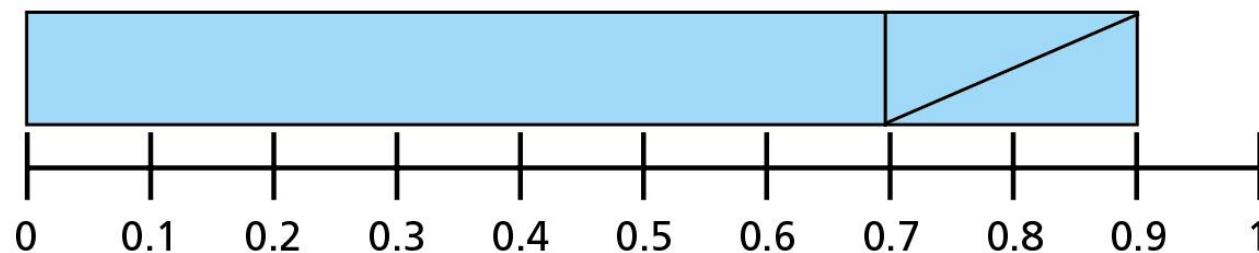You can chose to just reply to Mrs Gould, Mrs Rushworth or everybody.

Ollie 0.32 + 0.4 =	Jamie 0.5 + 0.24 =	Kasey 0.41 + 0.3 =
Challenge 1) 0.43 + 0.4 + 0.272 = 2) 2.637 + 0.8 =	Harrison 0.46 + 0.3 =	Rihanna 0.6 + 0.15 =

1 Work out the subtractions.

Use the number lines to help you.

a) 0.9 – 0.2 = ⬚

1

b) $0.8 - 0.1 = \boxed{}$
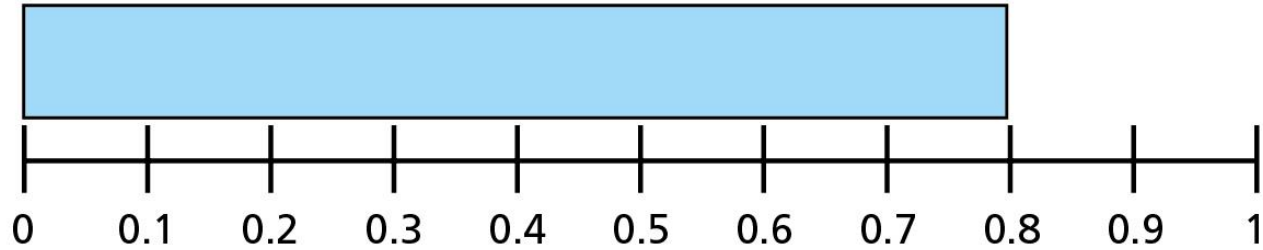
c) $1 - 0.2 - 0.1 = \boxed{}$
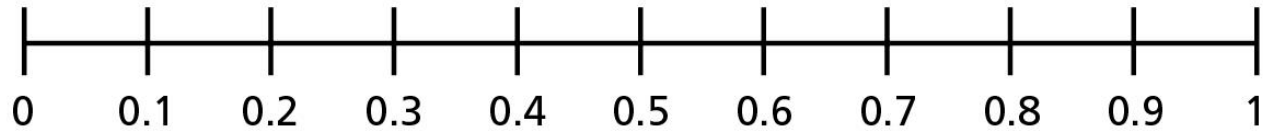
What do you notice about your answers?
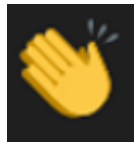
LO: To be able to subtract decimals.

Vote

0.4 - 0.2 =

0.6   OR   0.2

👏   👍

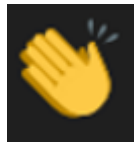LO: To be able to subtract decimals.

Vote

0.8 - 0.3 =

0.6   OR   0.5
👏   👍
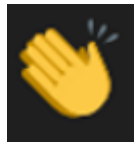
LO: To be able to subtract decimals.

Vote

0.9 - 0.2 - 0.1 =

0.6   OR   0.7
👏   👍
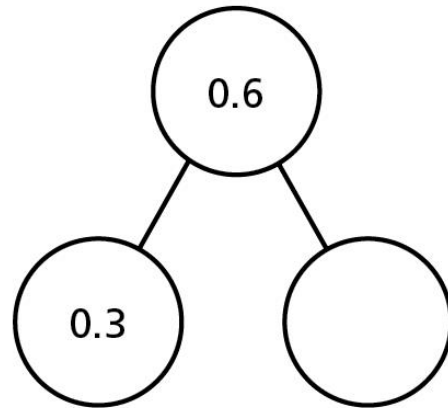
LO: To be able to subtract decimal numbers.

Use the Chat button at the bottom of your screen to answer the questions.

You can chose to just reply to Mrs Gould, Mrs Rushworth or everybody.

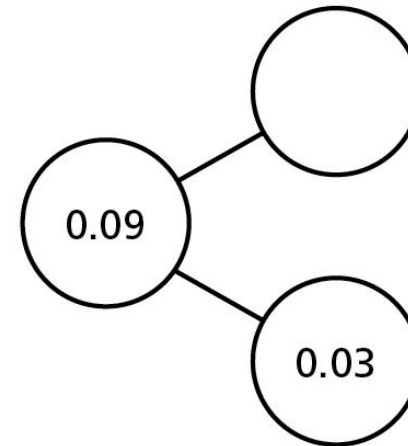| Ollie 0.8 - 0.4 =	Jamie 0.5 - 0.2 =	Kasey 0.6 - 0.2 =
Challenge 1) 0.8 - 0.4 - 0.2 = 2) 2.6 - 0.4 =	Harrison 0.6 - 0.3 =	Rihanna 0.6 - 0.1 =

2 Complete the part-whole models.

a)

b)
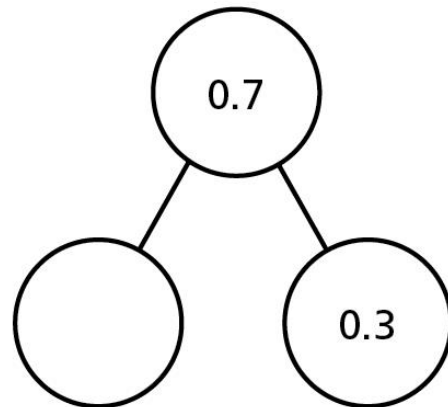

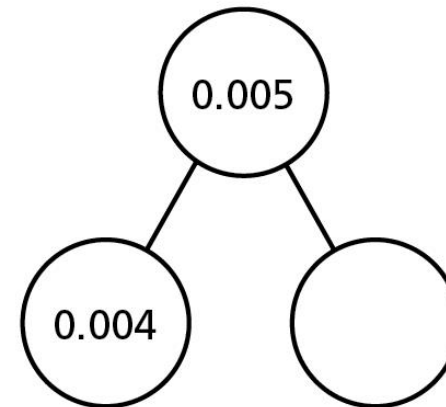c)

d)

3 Complete the subtractions.

Use the place value charts to help you. The first one has been started for you.

a) 0.42 − 0.3 = ⬚

Ones	Tenths	Hundredths
	0.1 0̸.1̸ 0̸.1̸ 0̸.1̸	0.01 0.01

b) 0.28 − 0.05 = ⬚

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

4 Use the column method to work out the subtractions.

a)

$$
\begin{array}{r}
0 . 8\ 9 \\
-\ 0 . 4 \\
\hline
 . \\
\hline
\end{array}
$$

c)

$$
\begin{array}{r}
0 . 7\ 7 \\
-\ 0 . 6\ 8 \\
\hline
 . \\
\hline
\end{array}
$$

b)

$$
\begin{array}{r}
0 . 7\ 7 \\
-\ 0 . 6\ 4 \\
\hline
 . \\
\hline
\end{array}
$$

d)

$$
\begin{array}{r}
0 . 7 \\
-\ 0 . 2\ 5 \\
\hline
 . \\
\hline
\end{array}
$$

LO: To be able to find the area of rectangles.

WWW

EBI

Blue Zone	Green Zone	Yellow Zone	Red Zone
Going slow	Good to go	Caution Starting to lose control	Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated
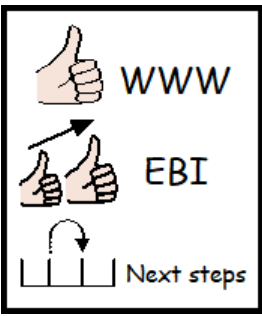
LO: To be able to find the area of triangles.

Follow up work

1) Mymaths – Area of a triangle – online homework task.

2) Area of triangle worksheet.

3) Compound area worksheet.

For ALL worksheets you can either print out and write your answers on, or write your answers on paper.

Please take pictures of your work and email to jo.gould@grangepark.kent.sch.uk