

Wednesday 2<sup>nd</sup> June 2020

Arithmetic – 2 digit by 1 digit multiplication

$$\begin{array}{r} 83 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ \times 3 \\ \hline \end{array}$$

## Reasoning

Log-on to <https://whiterosemaths.com/homelearning/year-5/> and try (Week 2 w/c 27<sup>th</sup> April)  
Lesson 4

The screenshot shows the White Rose Maths website interface. The top navigation bar includes 'White Rose Maths', 'Resources', 'Professional Development', 'Home Learning', 'Who We Are', 'News', and 'Premium Resources Centre'. The main content area is titled 'Lesson 4 - Subtracting decimals with a different number of decimal places'. It features a video player with a play button and a progress bar at 07:36. To the right of the video are two buttons: 'Get the Activity' and 'Get the Answers', each with a document icon. The 'Get the Activity' button is highlighted in pink, and the 'Get the Answers' button is highlighted in teal. Below the video, there is a diagram illustrating the subtraction of 13 from 6.73. The diagram shows a place value chart with columns for Ones, Tenths, and Hundredths. The number 6.73 is represented by 6 blue circles in the Ones column, 7 blue circles in the Tenths column, and 3 blue circles in the Hundredths column. A minus sign and the number 13 are shown to the right of the chart, indicating the subtraction process.

**WALT: Understand and use approximate equivalences between metric and common imperial units**

**Don't worry if you find this activity tricky, you just need to understand the idea...**

To help understand why we have metric and imperial units at all watch the following video:

<https://www.youtube.com/watch?v=7bUVjJWA6Vw>

## Conversion Factors

### Length

1 inch  $\approx$  2.5 centimetres

**1 foot  $\approx$  30 centimetres**

1 mile  $\approx$  1.6 kilometres

**5 miles  $\approx$  8 kilometres**

### Capacity

1 pint  $\approx$  570 millilitres

**1 gallon  $\approx$  4.5 litres**

**1 $\frac{3}{4}$  pints  $\approx$  1 litre**



### Weight

1 pound  $\approx$  450 grams

**2.2 pounds  $\approx$  1 kilogram**

Try answering the following questions (**use a calculator!**)

**For each question, think about if you should multiply or divide. Answer to one decimal place.**

- The longest nose on a living person is 8.8cm. Convert this measurement to inches.
- The largest bubblegum bubble blown has a diameter of 20.3 inches. Convert this measurement to centimetres.
- The longest snake ever is 7.3m. Convert this measurement to feet. (Hint: convert 7.3m to centimetres first, then into feet)

Answers:

$$\begin{array}{r} 83 \\ \times 4 \\ \hline 332 \end{array}$$

$$\begin{array}{r} 63 \\ \times 5 \\ \hline 315 \end{array}$$

$$\begin{array}{r} 23 \\ \times 5 \\ \hline 115 \end{array}$$

$$\begin{array}{r} 45 \\ \times 6 \\ \hline 270 \end{array}$$

$$\begin{array}{r} 22 \\ \times 8 \\ \hline 176 \end{array}$$

$$\begin{array}{r} 24 \\ \times 3 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 42 \\ \times 5 \\ \hline 210 \end{array}$$

$$\begin{array}{r} 62 \\ \times 9 \\ \hline 558 \end{array}$$

$$\begin{array}{r} 72 \\ \times 9 \\ \hline 648 \end{array}$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 26 \\ \times 3 \\ \hline 78 \end{array}$$

Answers:

a)  $8.8\text{cm} / 2.5 = 3.52 = 3.5$  inches (1 dp)

b)  $7.3\text{m} = 730\text{cm}$ .  $730 / 30 = 24.33333\dots = 24.3$  feet (1 dp)

c)  $20.3$  inches  $\times 2.5 = 50.75 = 50.8\text{cm}$  (1 dp)