

Thursday 4th June 2020

Arithmetic – 2 digit by 1 digit multiplication

$$\begin{array}{r} 64 \\ \times 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 32 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 7 \\ \hline \end{array}$$

Reasoning

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

Lesson 1

The screenshot shows a web browser displaying the White Rose Maths website. The page is titled "Lesson 1 - Multiply 2-digit numbers (area model)". It features a video player showing a grid model for the multiplication $18 \times 13 =$. The grid is divided into four sections with labels: 100, 80, 30, and 24. Below the video, there are two buttons: "Get the Activity" and "Get the Answers". The activity link is "Y5 Lesson 1 Multiply 2-digits (area model) 2019" and the answers link is "Y5 Lesson 1 Answers Multiply 2-digits (area model) 2019". The website navigation menu includes "Resources", "Professional Development", "Home Learning", "Who We Are", and "News". The "Home Learning" menu is expanded, showing "Summer Term - Week 4 (w/c 11th May)" and "Summer Term - Week 3 (w/c 4th May)". The "Home Learning - Year 5" option is highlighted. The browser's address bar shows the URL "whiterosemaths.com/homelearning/year-5/". The Windows taskbar at the bottom shows the date and time as 12:41 on 28/05/2020.

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

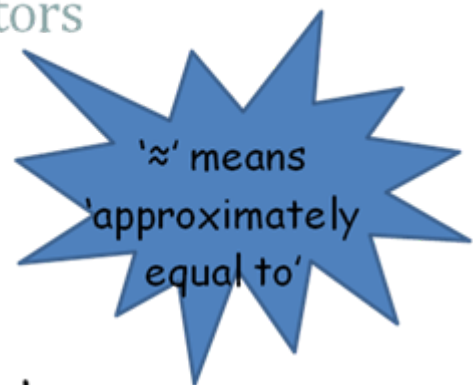
5 miles \approx 8 kilometres

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 (**No calculator this time**)

- A) 2 inches in centimetres =
- B) 10 centimetres into inches =
- C) 2 gallons into litres =
- D) 4 kilograms in pounds =

Answers:

$$\begin{array}{r} 64 \\ \times 8 \\ \hline 512 \end{array}$$

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

$$\begin{array}{r} 32 \\ \times 8 \\ \hline 256 \end{array}$$

$$\begin{array}{r} 53 \\ \times 8 \\ \hline 424 \end{array}$$

$$\begin{array}{r} 45 \\ \times 4 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 96 \\ \times 2 \\ \hline 192 \end{array}$$

$$\begin{array}{r} 95 \\ \times 5 \\ \hline 475 \end{array}$$

$$\begin{array}{r} 34 \\ \times 9 \\ \hline 306 \end{array}$$

$$\begin{array}{r} 44 \\ \times 4 \\ \hline 176 \end{array}$$

$$\begin{array}{r} 68 \\ \times 6 \\ \hline 408 \end{array}$$

$$\begin{array}{r} 44 \\ \times 5 \\ \hline 220 \end{array}$$

$$\begin{array}{r} 62 \\ \times 7 \\ \hline 434 \end{array}$$

- A) 5cm
- B) 4 inches
- C) 9 litres
- D) 8.8 pounds