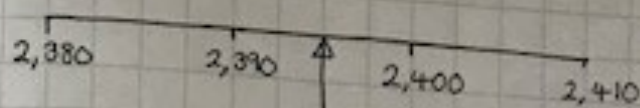


Year 5 Friday Maths Problems

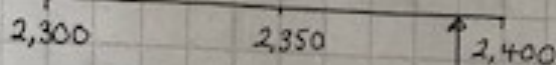
1. a)



$2,395$
↑ 5 rounds up.

2,395 to the nearest 10 is 2,400 km.

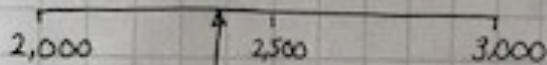
b)



$2,395$
↑ 9 rounds up.

2,395 to the nearest 100 is 2,400 km.

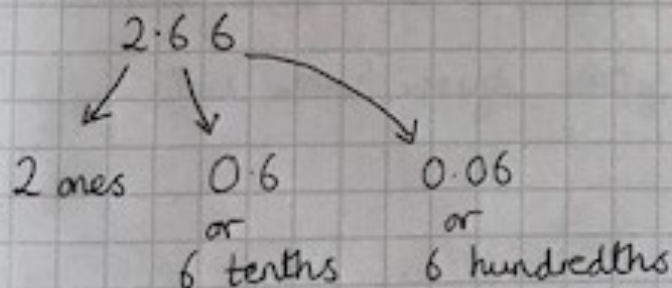
c)



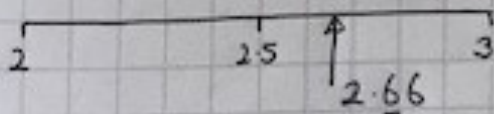
$2,395$
↑ 3 rounds down.

2,395 to the nearest 1000 is ~~2,400~~ 3,000 km.

2. a)



b)



2.66
↑ 6 rounds up.

2.66 to the nearest whole hour is 3 hours.

$$\begin{array}{r}
 3. a) \quad 664,046 \\
 + 627,144 \\
 \hline
 1291,190
 \end{array}$$

The total population of Athens and Crete is 1,291,190.

$$\begin{array}{r}
 b) \quad 664,046 \\
 - 627,144 \\
 \hline
 036,902
 \end{array}$$

36,902 more people live in Athens than Crete.

4. a) 2% is the same as $\frac{2}{100}$ or 0.02.

b) (Remember, per cent means out of 100).

You could also simplify $\frac{2}{100}$ to $\frac{1}{50}$ if you want.

5. a) 51% is the same as $\frac{51}{100}$ or 0.51.

b)

c) More than half. $\frac{1}{2} = \frac{50}{100} = 50\%$ so 51 is more.

6. a) 1 week = 7 days. $7 \times 5 = 35$.

An average Greek eats 35 olives a ~~day~~ week.

b) 35 This would weigh 140g.

$$\begin{array}{r}
 \times \quad 4 \\
 35 \\
 \hline
 140 \\
 \hline
 2
 \end{array}$$

c) 1 year = 365 days.

$$\begin{array}{r}
 365 \\
 \times \quad 5 \\
 \hline
 1825 \\
 \hline
 32
 \end{array}$$

An average Greek eats 1825 olives a year.

$$\begin{array}{r} \text{d) } 1825 \\ \times \quad 4 \\ \hline 7300 \\ \hline 3 \quad 1 \quad 2 \end{array}$$

This would weigh 7300 g
or 7.3 kg.

Max's Challenge.

$$\begin{array}{r} \overset{\circ}{x} \overset{\circ}{8} \overset{\circ}{9} \overset{\circ}{0} \\ - \quad 106 \\ \hline 894 \end{array}$$

894 need rebuilding.

1% of 1000 is 10.

If you think about the 890:

$$\begin{array}{l} \times 89 \swarrow \quad \searrow \times 89 \\ 1\% \text{ of } 1000 \text{ is } 10 \\ 89\% \text{ of } 1000 \text{ is } 890 \end{array}$$

Then for the 4.

$$\begin{array}{l} \div 10 \swarrow \quad \searrow \div 10 \\ 1\% \text{ of } 1000 \text{ is } 10 \\ 0.1\% \text{ of } 1000 \text{ is } 1 \end{array}$$

We need 4.

$$\begin{array}{l} \times 4 \swarrow \quad \searrow \times 4 \\ 0.1\% \text{ of } 1000 \text{ is } 1 \\ 0.4\% \text{ of } 1000 \text{ is } 4. \end{array}$$

We need 894
which is 89.4%.

Wow Max - that
is very tricky!!

Hayden M's Answers

There are 4000 rides at ~~Eastbrook~~ Ancient Greece Land
25% of them are old and don't work.
15% are being improved.
The rest are open

27.4.20

Of the rides that are open, 15% are children only rides. How many adult rides are open?

$$\begin{array}{r} 25\% \text{ of } 4000 \text{ is } 1000 \\ 15\% \text{ of } 4000 \text{ is } 600 \\ \hline 1600 \end{array}$$

$$\begin{array}{r} 3 \\ 4000 \\ - 1600 \\ \hline 2400 \end{array}$$

15% of 2400 is 360

$$\begin{array}{r} 3 \\ 2400 \\ - 360 \\ \hline 2040 \\ 4 \end{array}$$

Answer = 2040