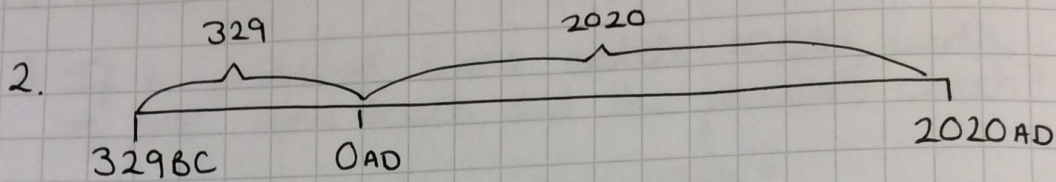


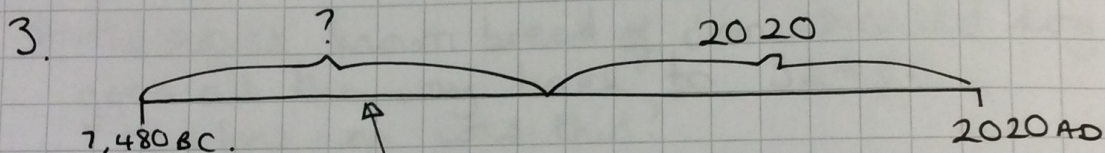
1. 7.7 million is 7,700,000.

There are 7,700,000 species of animals on the planet.



$$\begin{array}{r} 2020 \\ + 329 \\ \hline 2349 \end{array}$$

The oldest known breed of domestic dog goes back 2349 years.



$$\begin{array}{r} 9,500 \\ - 2,020 \\ \hline 7,480 \end{array}$$

So 7,480 BC.

The oldest evidence of domesticated cats was from 7,480 BC.

4.

$$\begin{array}{r} 40 \\ \times 7 \\ \hline 280 \end{array} \text{ male teeth}$$

$$\begin{array}{r} 38 \\ \times 4 \\ \hline 152 \\ \hline 3 \end{array} \text{ female teeth}$$

$$\begin{array}{r} 280 \\ + 152 \\ \hline 432 \\ \hline 1 \end{array}$$

There are 432 teeth in total in the herd.

5. a) A week = 7 days.

$$7 \times 20 = 140 \text{ hours. A koala sleeps for } 140 \text{ hours a week.}$$

b) A fortnight = 14 days or 2 weeks.

$$2 \times 140 = 280 \text{ hours. A koala sleeps for } 280 \text{ hours a fortnight.}$$

c) A year = 365 days.

$$\begin{array}{r} 365 \\ \times 20 \\ \hline 7300 \\ \hline \end{array}$$

A koala sleeps for 7300 hours a year.

6. a) % means out of 100.

90% means 90 out of 100.

10% means 10 out of 100.

Females caught 90kg, males caught 10kg.

b) In Q a, we worked out for 100kg.
200kg is double, so I can double my amounts.

Females caught 180kg, males caught 20kg.

c) 5000kg.

10% means $\frac{1}{10}$. $\frac{1}{10}$ of 5000kg = 500kg. 10% = 500kg.

90% means $9 \times 10\%$ so $9 \times 500\text{kg} = 4,500\text{kg}$.

Females caught 4,500kg, males caught 500kg.

$$\begin{array}{r} 7. a) \quad 25 \\ \times \quad 6 \\ \hline 150 \\ \hline 3 \end{array}$$

It swims 150 miles in 6 hours.

$$b) \quad 500 \div 25$$

$$\begin{array}{r} 020 \\ 25 \overline{) 500} \\ \hline \end{array}$$

It swam for 20 hours.

$$8. a) \quad 17 - 3 = 14.$$

A chimp can make 14 facial movements.

$$b) \quad 17 + 10 = 27.$$

A human can make 27 facial movements.