

1 a) $45 \div 9 = 5$ so it happened 5 times in 45 years.

$$\begin{array}{r} 14 \\ \times 5 \\ \hline 70 \\ \hline \end{array}$$

← as 7 boys + 7 girls = 14.

In 45 years, 70 children were eaten.

b) $135 \div 9 = 15$ so it happened 15 times in 135 years.

$$\begin{array}{r} 015 \\ 9 \overline{) 135} \\ \hline \end{array}$$
$$\begin{array}{r} 14 \\ \times 15 \\ \hline 70 \quad (\times 5) \\ 140 \quad (\times 10) \\ \hline 210 \\ \hline \end{array}$$

In 135 years, 210 children were eaten.

2 a) $330 \div 11 = 30$

$$\begin{array}{r} 030 \\ 11 \overline{) 330} \\ \hline \end{array}$$

It would take them 30 hours to travel from Athens to Crete.

b) $330 \div 22 = 15$

$$\begin{array}{r} 015 \\ 22 \overline{) 330} \\ - 22 \downarrow \\ \hline 110 \\ \hline \end{array}$$

← You could use long division, or you might notice 22 is double 11. If they were travelling twice as fast, it would take them half the time to travel there.

It would take them 15 hours to travel from Athens to Crete.

3. a) There are 3 people each with 13 snakes.

$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$

There are 39 snakes altogether.

b) Each snake has 2 eyes.

So $39 \times 2 = 78$ eyes on snakes.

$$\begin{array}{r} 39 \\ \times 2 \\ \hline 78 \end{array}$$

Each sister has 2 eyes. $3 \times 2 = 6$.

$$\begin{array}{r} 78 \\ + 6 \\ \hline 84 \end{array}$$

So there are 84 eyes altogether.

4. a) 0.025×10 . When you multiply by 10, all digits move one space left.

U. t h th

$$\begin{array}{r} 0.025 \\ \leftarrow \leftarrow \leftarrow \\ 0.25 \end{array}$$

So the tears weighed 0.25g.

b) 0.025×100 Times by 100 = move two spaces left.

U. t h th

$$\begin{array}{r} 0.025 \\ \leftarrow \leftarrow \\ 2.5 \end{array}$$

So the tears weighed 2.5g.

c) 0.025×1000 Times by 1000 = move three spaces left.

T U. t h th

$$\begin{array}{r} 00.025 \\ \leftarrow \leftarrow \leftarrow \\ 25.0 \end{array}$$

So the tears weighed 25g.

5. a) One day = 24 hours.

There are 60 minutes in an hour.

$$\begin{array}{r} 24 \\ \times 60 \\ \hline 1440 \\ \hline \end{array}$$

So there are 1440 minutes in a day.

$1440 \div 45$ will give us our answer.

$$\begin{array}{r} 0032 \\ 45 \overline{) 1440} \\ - 135 \downarrow \\ \hline 0090 \end{array}$$

$$\begin{array}{r} 45 \\ 90 \\ 135 \\ 180 \end{array}$$

An average spider can weave 32 webs a day.

b) One week = 7 days.

$$\begin{array}{r} 32 \\ \times 7 \\ \hline 224 \\ \hline \end{array}$$

An average spider can weave 224 webs a week.

c) One year = 365 days.

$$\begin{array}{r} 365 \\ \times 32 \\ \hline 730 \quad (\times 2) \\ 10950 \quad (\times 30) \\ \hline 11680 \\ \hline \end{array}$$

An average spider can weave 11,680 webs in a year.