

1. a) $23 - 11 = 12$ There will be 12 boys.

b) $\frac{11}{23}$ girls

c) $\frac{12}{23}$ boys

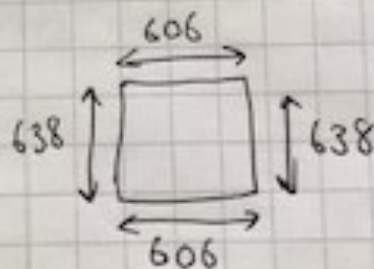
d) $\frac{11}{23} = \frac{22}{46} = \frac{33}{69} \dots = \frac{110}{230}$ there are lots of options.

$\frac{12}{23} = \frac{24}{46} = \frac{36}{69} \dots = \frac{120}{230}$

2. a) Each child needs 6 books.

b)
$$\begin{array}{r} 23 \\ \times 6 \\ \hline 138 \end{array}$$
 138 books will be needed for the whole class.

3. a) Perimeter means the distance around the outside.



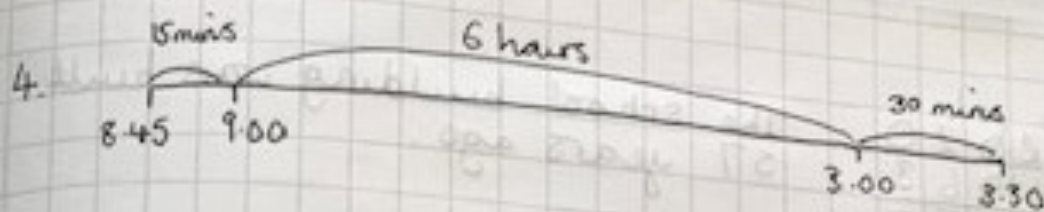
$$\begin{array}{r} 606 \\ + 606 \\ + 638 \\ + 638 \\ \hline 2488 \\ 2 \end{array}$$

The perimeter of the classroom is 2488 cm.

b) To work out the area I need to do length \times width.

The area of the classroom is $386,628 \text{ cm}^2$.

$$\begin{array}{r} 638 \\ \times 606 \\ \hline 3828 \times 6 \text{ (units)} \\ 0000 \times 0 \text{ (tens)} \\ 382800 \times 600 \text{ (hundreds)} \\ \hline 386,628 \\ 1 \end{array}$$



There are 60 minutes in 1 hour.

$$6 \text{ hours} = 6 \times 60 = 360.$$

$$\begin{array}{r} 360 \\ + 30 \\ + 15 \\ \hline 405 \end{array}$$

There are 405 minutes in the school day.

5. a)

$$\begin{array}{r} 1.62 \\ + 1.68 \\ \hline 3.30 \\ \hline \end{array}$$

Miss Olver and Miss Soley would make a line 3.3 m long.

b) $1\text{m} = 100\text{cm}.$

$$3.3 \times 100 = 330\text{cm}.$$

c) $1\text{cm} = 10\text{mm}.$

$$330 \times 10 = 3300\text{mm}.$$

6. a) $\frac{1}{3}$ of 96 means $96 \div 3$ which is 32.

So $\frac{2}{3}$ means 32×2 which is 64.

64 children have school dinners.

b) 32 children do not have school dinners.

$$\begin{array}{r}
 7. \quad \overset{1}{2}\overset{9}{0}\overset{1}{2}\overset{1}{0} \\
 - \quad 1963 \\
 \hline
 \quad 0057
 \end{array}$$

The school building was built
57 years ago.

$$\begin{array}{r}
 8. \quad \overset{1}{2}\overset{1}{0}\overset{1}{2}\overset{1}{0} \\
 - \quad 206 \\
 \hline
 \quad 1814
 \end{array}$$

The old school was built in
1814.