





2nd March

$$15\% \times 2,000$$

$$\begin{array}{r} 10\% - 200 \\ 5\% - \frac{100}{300} + \end{array}$$

300

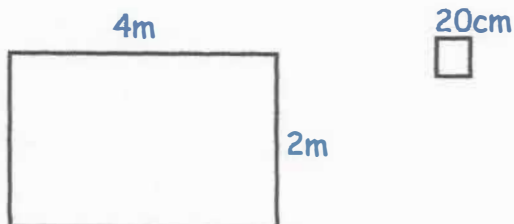
$$2\frac{1}{2} \times 17$$

$$\begin{array}{r} 2 \times 17 = 34 \\ \frac{1}{2} \times 17 = \frac{8.5}{42.5} \end{array}$$

42.5

Mr Harris is tiling his bathroom floor.  
The bathroom floor is a rectangle  
measuring 4m by 2m.  
Each tile is 20cm by 20cm

How many tiles does he need?



$$\begin{array}{l} 400 \div 20 = 20 \text{ tiles} \\ 200 \div 20 = 10 \text{ tiles} \end{array}$$

$$20 \times 10 = \underline{200} \text{ tiles}$$

or

$$400 \times 200 = 80,000 \text{ cm}^2$$

$$20 \times 20 = 400 \text{ cm}^2$$

$$80,000 \div 400 = \underline{200} \text{ tiles}$$

Find the lowest common multiple (LCM) of  
5, 6 and 9

90



3rd March

$0.07 \times 200$

Grid area for the calculation  $0.07 \times 200$ .

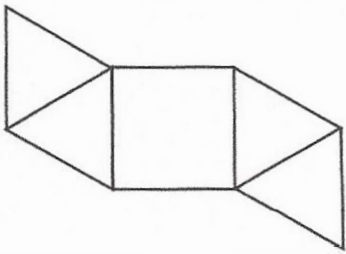
14

9% of 300

Grid area for the calculation 9% of 300.

$9 \times 3 = 27$

27



This is a net for which 3D shape?

square based pyramid

Concrete is made by mixing **cement**, **sand** and **gravel** in the ratio 1 : 2 : 3

How many kilograms of **cement** and **gravel** are needed to mix with 30 kilograms of sand?

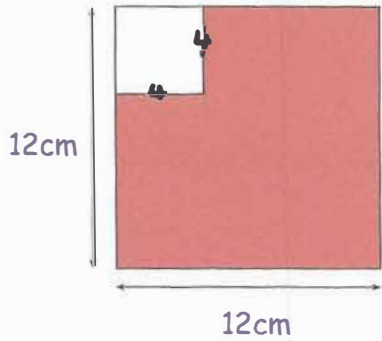
$1 : 2 : 3 \quad \times 15$   
 $? : 30 : ?$

15 kg of cement      45 kg of gravel

A white square is painted in one corner of a red square.  
Each side of the white square is a **third** of the length of the red square.

What is the area of the red section?

$12^2 - 4^2 = \underline{128\text{cm}^2}$





4th March

$$2\frac{1}{4} + \frac{7}{8}$$

$$2\frac{2}{8} + \frac{7}{8} = 2 + \frac{9}{8}$$

$3\frac{1}{8}$

45% of 720

$$\begin{aligned} 50\% &- 360 \\ 5\% &- 36 \end{aligned}$$

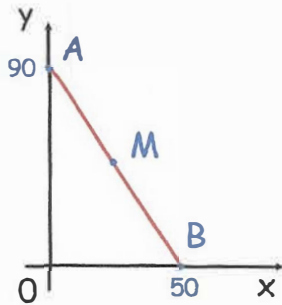
$$360 - 36 =$$

324

Circle any fraction that is greater than

$\frac{1}{3}$  but less than  $\frac{1}{2}$

$\frac{4}{9}$     $\frac{3}{5}$     $\frac{13}{20}$     $\frac{5}{8}$     $\frac{7}{10}$



In this diagram M is an equal distance from A and B.

What are the coordinates of M?

$(25, 45)$

Owen has 3 marbles more than Mia  
Mia has 6 marbles more than Carl.

Altogether they have 30 marbles.

How many marbles does each child have?

Carl 5   Owen 14   Mia 11



5th March

$$\frac{7}{10} \div 2$$

$$\frac{7}{20}$$

$$4,871 \times 26$$

$$\begin{array}{r} 4871 \\ \times 26 \\ \hline 29226 \\ 97420 \\ \hline 126646 \end{array}$$

$$126,646$$

Some students sit a test.  
The test is out of 40 marks

Martin 30 marks  
Gina 35 marks ✓  
Ricky 31 marks  
Vicky 38 marks ✓  
Chloe 29 marks

The pass mark is 80%

Work out the fraction of the students that passed the exam.

$$80\% \text{ of } 40 = 32$$

$$\frac{2}{5} \text{ passed}$$

A toy grows when placed in a bucket of water.

The toy doubles in size every minute.

After 5 minutes the toy will half-filled the bucket.

After how many minutes will the toy fill the bucket?

6 minutes

A 10p coin has a diameter of 24.5mm

Caitlyn makes a straight line of 10p coins worth £20



How long is the line?

Give your answer in metres.

$$\begin{aligned} \pounds 20 \text{ is } 200 \text{ } 10\text{p pieces} \\ 24.5\text{mm} \times 200 &: 4900\text{mm} \\ &= \underline{4.9\text{m}} \end{aligned}$$