

May 8th

5-a-day

Numeracy

Write 3941 in words

Three thousand, nine hundred and forty one.

What is half of 7?

3.5

Kellie sells 4 books of raffle tickets  
There are 10 tickets in each book.

How many tickets does she sell?

40

Each ticket costs 50p

How much money does she receive?

£20

	gold	silver	bronze
USA	40	24	33

A gold scores 3 points  
A silver scores 2 points  
A bronze scores 1 point

How many points did USA score?

120  
48  
33  
201

201

Sally is 1.42 metres tall.  
Jo is 3 centimetres taller than Sally.

Work out Jo's height in metres.

1.45 m

Patrick's height is 150 centimetres.  
During one year, his height increase by 5%.

Work out the increase in Patrick's height.

10% = 15  
5% = 7.5cm  
7.5cm

What is the reciprocal of two-thirds?

$$\frac{2}{3} \quad \frac{3}{2}$$

$$1\frac{1}{2}$$

Martha has 40 postage stamps.

The ratio of second class to first class is 3:2.

Work out how many second class stamps Martha has.

$$3+2=5$$

$$40 \div 5 = 8$$

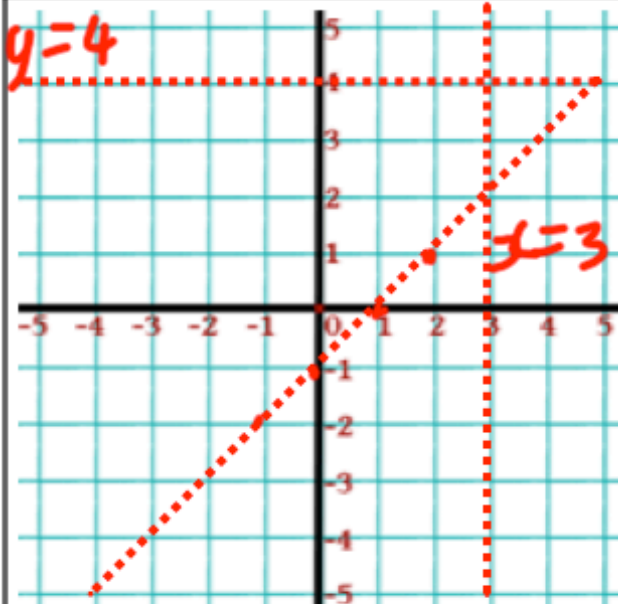
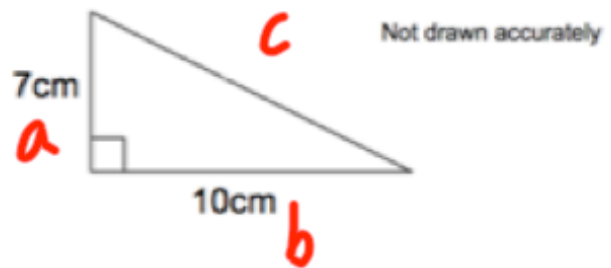
$$8 \times 3 = 24$$

Find the length of the missing side

$$7^2 + 10^2 = c^2$$

$$149 = c^2$$

$$c = \sqrt{149} = 12.2 \text{ cm}$$



Draw  $x = 3$

Draw  $y = 4$

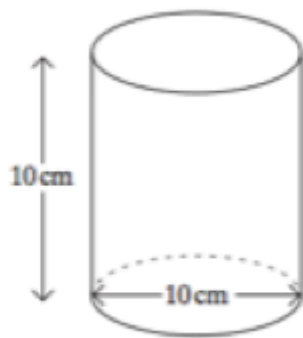
Complete the table and draw the line  $y = x - 1$

x	-2	-1	0	1	2
y	-3	-2	-1	0	1

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Higher



$$\pi \times 5^2 \times 10$$

$$\pi \times 25 \times 10 = 250\pi \text{ cm}^3$$

Work out the volume in terms of pi.

Write 0.434343... as a fraction

$$x = 0.4343\dots$$

$$100x = 43.4343\dots$$

$$99x = 43$$

$$x = \frac{43}{99}$$

Work out the value of  $64^{-\frac{5}{6}}$   
Leave your answer as a fraction.

$$64^{\frac{5}{6}} \quad (\sqrt[6]{64})^5$$

$$\frac{1}{2^5} = \frac{1}{32}$$

Work out  $0.25^{-1}$ 

$$\left(\frac{1}{4}\right)^{-1} = 4$$

A shopkeeper normally sells his goods at 80% above cost price.

In a sale he reduces his prices by 40%.

What percentage profit does he make on goods sold in the sale?

8%

$$100$$

$$180\%$$

$$180 \times 0.6 = 108\%$$

$$8\%$$