

m7 = 30 days to go!

4 There are 32 pupils in a class and all were present on Monday.

On Monday the teacher asked each pupil their favourite colour.

She recorded the results for green, blue and yellow accurately in a table.

	Green	Blue	Yellow	Total
Girls	3	5	4	12
Boys	4	7	2	13
Total	7	12	6	25

(a) Give a reason why the total number of boys and girls in the table is not 32

Only 25 gave an answer of Green, Blue or Yellow [1]
 The other 7 students said something else

(b) There are 18 girls in the class.

What is the probability that a girl said the colour blue?

5 girls said BLUE

5 out of 18

Answer $\frac{5}{18}$ [1]

always fraction or decimal

(c) What is the probability that a pupil in the class did not say green?

7 students said green

Answer $\frac{25}{32}$ [1]

25 students did not say green

25 out of 32

$$\begin{array}{r} 32 \\ - 7 \\ \hline 25 \end{array}$$

Guess & Check

12 Use trial and improvement to solve the equation

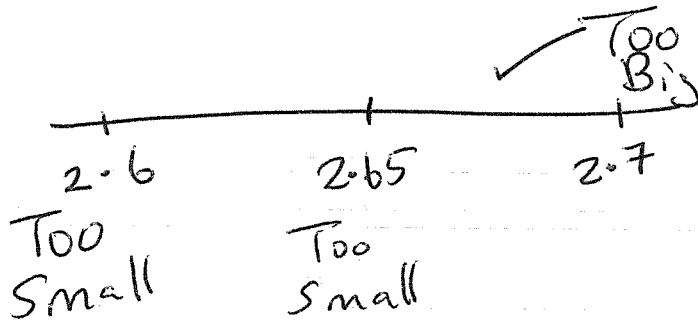
$$x^3 - 3x = 11$$

Give your answer correct to one decimal place.

TARGET 11

You must show your working

x	$x^3 - 3x$	Too Big / Small
2	$2^3 - 3 \times 2 = 2$	Too Small
3	$3^3 - 3 \times 3 = 18$	Too Big
2.5	$2.5^3 - 3 \times 2.5 = 8.125$	Too Small
2.6	$2.6^3 - 3 \times 2.6 = 9.776$	Too Small
2.7	$2.7^3 - 3 \times 2.7 = 11.583$	Too Big
2.65	$2.65^3 - 3 \times 2.65 = 10.651625$	Too Small



Answer is somewhere

between 2.65 → 2.7

Ans 2.7 to 1 decimal place