Number

Calculate the value of:

5^3

Increase £240 by 45%.

Express, in its prime factors the number 45.

Given that
358 x 5767 = 2064586

Write down the value of
35.8 x 576.7

Algebra

Simplify

$p^3 \times p^2$

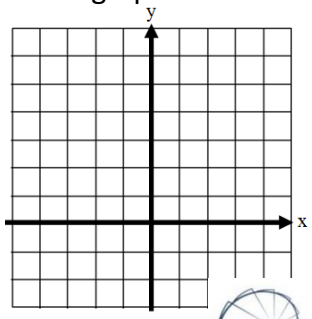
Solve:

$\frac{x}{5} + 6 = 41$

Complete the table of values for: $y = 2x^2 + 2x - 3$

x	-2	-1	0	1	2
y		-3			9

Draw the graph of the above



Data Handling

This table shows the frequency of the number of goals scored in a month of shinty. What is the median number of goals scored that month?

Number	Frequency
1	14
2	13
3	9
4	34
5	11
6	19

Number	Die 1 frequency	Die 2 frequency
1	5	2
2	7	7
3	7	6
4	5	7
5	9	8
6	9	12

Which of these dice are biased. Give reasons for your answer.

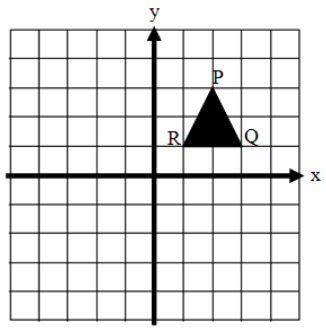
Complete the two way table below:

	Chips	Mashed	Baked	Total
Boys	38		5	58
Girls		2	21	
Total	65			

From the data above calculate the probability of picking a girl who likes baked potatoes.

Shape

A ship leaves harbour A and sails on a bearing of 050º to harbour B. What is the bearing of harbour A from harbour B?



Reflect triangle PQR in the line y = -1.

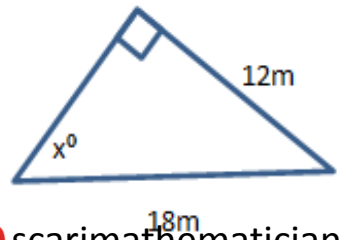
Construct a perpendicular bisector

Random

Expand and simplify

$(a+b)^2$

Write this number as a fraction:

$0.\dot{1}\dot{2}$

Find the coordinates of the midpoint between the coordinates (3,-4) and (8,6)