



The base of a pyramid has n sides.

Write an expression for the number of vertices the pyramid has.

Riley drives to a football match
He drives the first 10 miles in 20 minutes.
He then drives at 55mph for 30 minutes.

The information below was found in his car manual

Average Speed	Miles per gallon
Less than 50 mph	55
50 to 60 miles per hour	50
More than 60 mph	45

Work out how much petrol he used in total

He completed the return journey at 70mph.
How much petrol did he use in the return journey?

Convert 2.4m^2 into mm^2

Give your answer in standard form.

A and B are positive numbers.
A is inversely proportional to the cube of B.

When $A = \frac{81}{32}$, $B = 8$.

Find the value of A when $B = A$.