IF $X^2 = X + 3$, THEN X^3 EQUALS

If $\frac{5}{6}$ of a number is 30, what is $\frac{3}{4}$ of the number?

I have $10 in 10-cent coins, $10 in 20-cent coins and $10 in 50-cent coins. How many coins do I have?

A 40 x 40 white square is divided into 1 x 1 squares by lines parallel to its sides. Some of these 1 x 1 squares are coloured red so that each of the 1 x 1 squares, regardless of whether it is coloured red or not, shares a side with at most one red square (not counting itself). What is the largest possible number of red squares?

MONOMIAL
BINOMIAL
TRINOMIAL

It's not that I'm so smarts, it's just that I stay with problems longer.
Albert Einstein
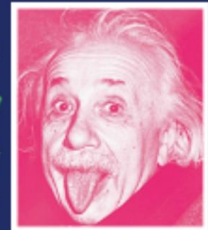
In how many ways can the numbers 1, 2, 3, 4, 5, 6 be arranged in a row so that the product of any two adjacent numbers is even?

$+ = > \div$ DO YOU LIKE MATHS?

Australian Mathematics Competition

problem solving

TEST YOURSELF

Thursday 15th September, 2016

If m and n are positive whole numbers and $mn = 100$, then $m+n$ cannot be equal to (A) 25 (B) 29 (C) 50 (D) 52 (E) 101
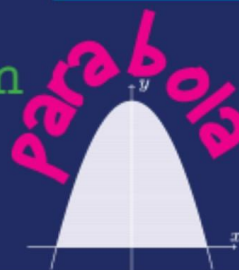
MATHS CAN TAKE YOU ANY WHERE

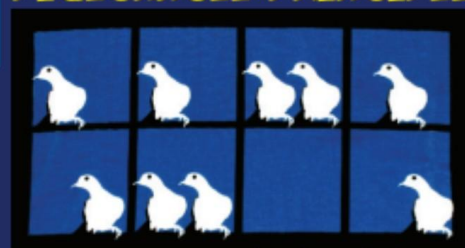How many integers in the set 100, 101, 102,....,999 do not contain the digits 1 or 2 or 3 or 4?

If p = 11 and q = -4, then $p^2 - q^2$ equals ...

TIME DISTANCE SPEED

PIGEONHOLE PRINCIPLE

$a^2 + b^2 = c^2$
Pythagoras' theorem

parabola

if n pigeons are put into m holes, with n > m, then at least one hole must contain more than one pigeon.