Name: _____ 5-a-day Higher Plus

7th February

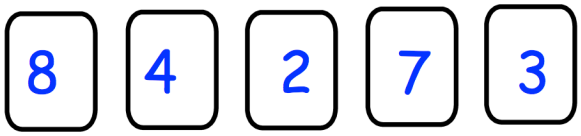
Corbettmaths

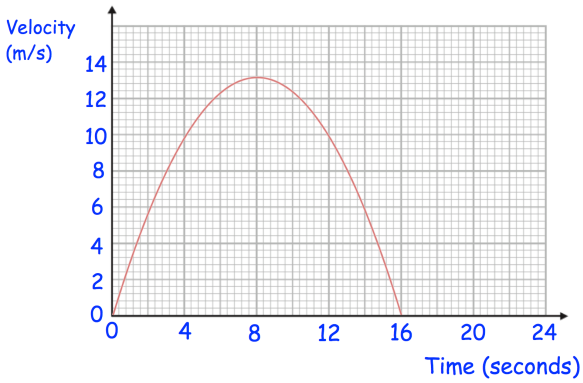
Given

$2x^2 + cx + 13 \equiv d(x + 4)^2 + e$

Find c, d and e

Using all of the 5 cards below once, how many different odd numbers greater than 40000 can be made?





Here is a velocity-time graph of a bicycle.

Estimate the distance travelled in the first 8 seconds.

Estimate the deceleration at 12 seconds.

The set of values for x that satisfies a quadratic inequality is

$x < -3$ or $x > 6$

Write down a possible quadratic inequality.