

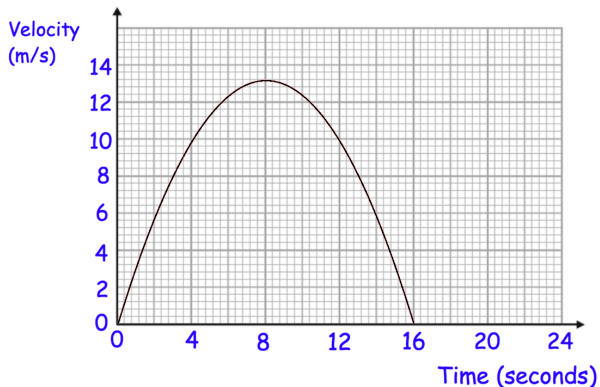
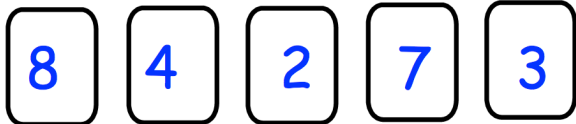


Given

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

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.