

3rd July

Corbettmaths

James is creating a 7-digit code to lock his iPad.

He does not repeat any digit.

How many possible codes can James create?

Solve

$$x + 5y - 3z = 122$$

$$3x + 2y + 4z = 41$$

$$2x + 2y + 3z = 39$$

a is 45% of b and $b : c = 4 : 5$

Show $25a = 9c$

Solve $4\sin\theta\tan\theta = 15$ for
 $0^\circ \leq \theta \leq 360^\circ$