

28th October

Corbettmaths

James is a student of a class of 32 students, 6 of which wear glasses.

1402 students attend the school.

Use this information to estimate how many students in the school wear glasses.

£5200 is invested at 2.8% compound interest per annum.

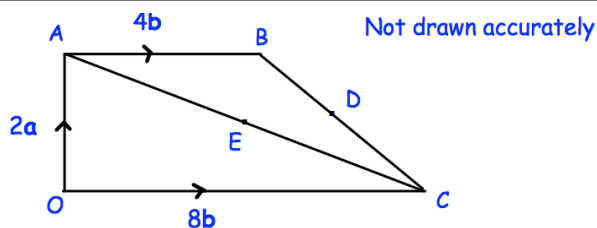
How many years will it take for the investment to exceed £7000.

Simplify

$$\frac{2x^2 + 5x - 3}{x^2 - 9}$$

A bag contains 10 counters.
 5 of the counters are red
 3 of the counters are purple
 2 of the counters are white
 Sharon chooses a counter at random, records the colour, then replaces it.
 Sharon then chooses a second counter at random and records the colour.

What is the probability that both counters are the same colour?



Point D is the midpoint of BC.
 Point E is the midpoint of AC.

Write down a vector for

\vec{AE}