



$$4x = 5y$$

$$2y = 7z$$

x, y and z are positive numbers.

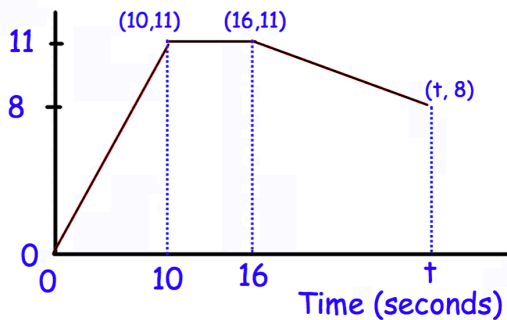
Write the ratio x:y:z

Given

$$y = \frac{3\sqrt{2}}{2}$$

Write an expression for y^3

Speed (m/s)



The average speed from 0 to t seconds was 8.725m/s

Find t

Find the acceleration for the first 10 seconds of the journey.

Find the nth term of the sequence

9 10 13 18 25 ...