Question #62174, Physics / Other

The speed of a car is known to travel at 28m/s.Pc Bacon flags the car down,and pulls over into lay by It takes 15s to halt ,what is its deceleration

Solution

$$a = \frac{\Delta v}{\Delta t} \; ;$$

$$a = \frac{0 - 28}{15} = -1.87 \; \text{m/s}$$

Answer: the deceleration is 1.87 m/s.