Time, distance and speed

ASSIGN BUSTER

TIME, DISTANCE AND SPEED and Department al Affiliation Question If a vantravels for a distance of 18 km at an average speed of 75 km/h and then for a distance of 63 km at an average speed of 90 km/h, what is the total time for the journey in minutes, to the nearest minute? (Your answer should be a number, without units.)

Answer: 56

Question 2

Convert the speed of 83 km/h to m/s. Give your answer to the nearest whole number.

(Your answer should be a number, without units.)

Answer: 23

Question 5

A roofer charges a £80 call out charge and then £40 for each hour worked. Select the option that gives the correct formula for the amount £y of the bill if the work lasts x hours.

Select one:

$y = 80x$

$y = 80x + 40$

$y = 40x + 80$

$y = 40x$

$y = 120x$

The answer is:

Question 6

Which of the following inequalities correctly describes the interval shown below?

The diagram shows a horizontal number line going from minus 2 to 2 in steps of 1. A horizontal line is drawn above the number line, with its left hand end above the minus 1, and its right hand end above the 0. The line has a solid circle at its left hand end, and an empty circle at its right hand end.

Select one:

$-1 \leq x \leq 0$

x