

Problems with decimal place control

Inspector Tenth

Maximal number of decimal places: **3**

1 Problem – Accelerating airplane

An airplane, initially at rest in the airport, started to move along a runway with the constant acceleration equal to 3.48 m/s^2 . Calculate the airplane's speed after the time of 8 s.

Answer: 27.84 m/s

2 Problem – Cycling speed

Max went by bike from the starting line and rode at the average speed 7.2 m/s. Ann started from the same line 9 s after Max and she finished the race 9 s before Max. Both, Ann and Max, travelled the same distance. What was the Ann's average speed if the total time of her ride was equal to 648 s?

Answer: Ann was cycling with speed 7.4 m/s.