

Problems with decimal place control

Inspector Tenth

Maximal number of decimal places: **2**

1 Problem – Accelerating airplane

An airplane, initially at rest in the airport, started to move along a runway with the constant acceleration equal to 7.87 m/s^2 . Calculate the airplane's speed after the time of 9 s.

2 Problem – Cycling speed

Max went by bike from the starting line and rode at the average speed 4.9 m/s . Ann started from the same line 10 s after Max and she finished the race 10 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 490 s?