

## Problems with decimal place control

*Inspector Tenth*

Maximal number of decimal places: **0**

### 1 Problem – Accelerating airplane

An airplane, initially at rest in the airport, started to move along a runway with the constant acceleration equal to  $8 \text{ m/s}^2$ . Calculate the airplane's speed after the time of 6 s.

### 2 Problem – Cycling speed

Max went by bike from the starting line and rode at the average speed  $8 \text{ m/s}$ . Ann started from the same line 12 s after Max and she finished the race 12 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 96 s?