

## Problems with decimal place control

*Inspector Tenth*

Maximal number of decimal places: 1

### 1 Problem – Accelerating airplane

An airplane, initially at rest in the airport, started to move along a runway with the constant acceleration equal to  $4.2 \text{ m/s}^2$ . Calculate the airplane's speed after the time of 4 s.

**Answer:** 16.8 m/s

### 2 Problem – Cycling speed

Max went by bike from the starting line and rode at the average speed 6.2 m/s. Ann started from the same line 6 s after Max and she finished the race 6 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 372 s?

**Answer:** Ann was cycling with speed 6.4 m/s.