

Density and speed calculations

Physics – grade 7–8

Name: _____ Date: _____ Score: _____

1. A car drives 150 km in 3 h. Average speed?

Answer: _____

2. A car drives 120 km in 3 h. Average speed?

Answer: _____

3. A car drives 150 km in 2 h. Average speed?

Answer: _____

4. Mass 54 g, volume 20 cm³. Density?

Answer: _____

5. Mass 19.3 g, volume 1 cm³. Density?

Answer: _____

6. Mass 100 g, volume 100 cm³. Density?

Answer: _____

7. Mass 79 g, volume 10 cm³. Density?

Answer: _____

8. Mass 45 g, volume 50 cm³. Density?

Answer: _____

9. A car drives 300 km in 3 h. Average speed?

Answer: _____

10. A car drives 90 km in 3 h. Average speed?

Answer: _____

11. Mass 113 g, volume 10 cm³. Density?

Answer: _____

12. A car drives 150 km in 1.5 h. Average speed?

Answer: _____

13. A car drives 45 km in 3 h. Average speed?

Answer: _____

14. A car drives 45 km in 1.5 h. Average speed?

Answer: _____

Density and speed calculations - Answer key

Physics – grade 7–8

Name: _____ Date: _____ Score: _____

1. A car drives 150 km in 3 h. Average speed?

50 km/h

2. A car drives 120 km in 3 h. Average speed?

40 km/h

3. A car drives 150 km in 2 h. Average speed?

75 km/h

4. Mass 54 g, volume 20 cm³. Density?

2.70 g/cm³

5. Mass 19.3 g, volume 1 cm³. Density?

19.30 g/cm³

6. Mass 100 g, volume 100 cm³. Density?

1.00 g/cm³

7. Mass 79 g, volume 10 cm³. Density?

7.90 g/cm³

8. Mass 45 g, volume 50 cm³. Density?

0.90 g/cm³

9. A car drives 300 km in 3 h. Average speed?

100 km/h

10. A car drives 90 km in 3 h. Average speed?

30 km/h

11. Mass 113 g, volume 10 cm³. Density?

11.30 g/cm³

12. A car drives 150 km in 1.5 h. Average speed?

100 km/h

13. A car drives 45 km in 3 h. Average speed?

15 km/h

14. A car drives 45 km in 1.5 h. Average speed?

30 km/h