

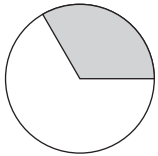
Master Maths 9 Worksheet 8

Percentages

8

Name: _____

1. Choose which is the best estimate of the percentage of this circle that is shaded.



A 10% **B** 30%
C 60% **D** 90%

2. A survey found that 43% of people had visited a zoo. What percentage of people had not visited a zoo?

3. A sample of gas contained 27.6% oxygen, 53.8% nitrogen, 6.4% hydrogen and the remainder was methane. What percentage of the gas was methane?

4. Convert the following fractions to percentages.

(a) $\frac{1}{4}$ (b) $\frac{4}{5}$ (c) $\frac{5}{8}$

5. Change the following percentages to fractions in their simplest form.

(a) 20% (b) 76% (c) 18.75%

6. Write the first quantity as a percentage of the second.

(a) \$50, \$400 (b) 30 minutes, 5 hours

(c) 54 cm, 3 m (d) 250 g, 5 kg

7. Convert the following decimals to percentages.

(a) 0.39 (b) 0.845 (c) 0.028

8. Convert the following percentages to decimals.

(a) 61% (b) 7.5% (c) 21.6%

9. Without using a calculator find the following quantities.

(a) 50% of \$500 (b) 10% of 750 kg

(c) $33\frac{1}{3}\%$ of 60 m (d) 20% of \$400

10. Use a calculator to find the following quantities.

(a) 34% of \$4500 (b) 65.5% of 8000 kg

11. Hervey invested \$5200 earning 5.6% interest per year. How much interest will he earn in one year?

12. Out of 4000 people surveyed, 250 had needed surgery. What percentage of the people had needed surgery?

13. Chris had taken 12 minutes to complete 15% of an assignment. How much longer will it take Chris to complete the assignment?