Name _____     Date _____

# Stage 8 End of Unit 3 Test

**1** Work these out.

   **a**   $32 \times 0.1 =$ _____

   **b**   $470 \times 0.1 =$ _____

   **c**   $87 \times 0.01 =$ _____

   **d**   $9 \times 0.01 =$ _____

   **e**   $6 \div 0.1 =$ _____

   **f**   $0.45 \div 0.1 =$ _____

   **g**   $8 \div 0.01 =$ _____

   **h**   $12.7 \div 0.01 =$ _____     **[8]**

**2** Write 0.1 or 0.01 in each space to make the calculations correct.

   **a**   $3.5 \times$ ___ $= 0.35$

   **b**   $2.7 \div$ ___ $= 270$

   **c**   $0.9 \times$ ___ $= 0.009$

   **d**   $24 \div$ ___ $= 240$     **[4]**

**3** Circle the correct answer, **A**, **B**, **C** or **D**.

   **a**   783 rounded to 1 s.f.     **A** 7     **B** 8     **C** 700     **D** 800

   **b**   58.6212 rounded to 3 s.f.     **A** 58.6     **B** 58.621     **C** 59.6     **D** 0.586

   **c**   0.0894 rounded to 2 s.f.     **A** 0.08     **B** 0.089     **C** 0.09     **D** 0.1     **[3]**

**4** There were 12 435 male and 9475 female supporters at a baseball match.

How many supporters were there altogether?

Give your answer correct to two significant figures.

_____

_____ **[2]**

**5 a** Work out an estimate of: $\dfrac{0.35 \times 679}{1.976}$.

_____

_____ **[2]**

**b** On a calculator, work out the accurate value. _____ **[1]**

**c** Compare your answers to parts **a** and **b**.

Do you think your accurate answer is correct? _____

Explain why. _____ **[1]**

**6 a** On a calculator, work out the answer to $17^3 - \sqrt{329}$.

Write down all the numbers on your calculator display.

_____ **[1]**

**b** Round your answer to part **a** to the stated number of significant figures (s.f.).

**i** 1 s.f. _____

**ii** 5 s.f. _____ **[2]**

**[TOTAL: 24 Marks]**

# END OF TEST