

Name _____

Date _____

Stage 7 End-of-unit test 3

22 questions · 33 marks · calculators are not allowed · allow about 45 minutes

1 Work out 3.7×10^3 . [1]

2 Work out 0.39×10^5 . [1]

3 Work out $80\,000 \div 10^4$. [1]

4 Work out $2\,350\,000 \div 10^5$. [2]

5 Work out $45.6 \div 10^2$. [1]

6 Write 10^6 as an ordinary number. [1]

7 A number multiplied by 10^3 gives 4500. What is the number? [2]

8 Round 4.27 to 1 decimal place. [1]

9 Round 3.146 to 2 decimal places. [1]

10 Round 9.999 to 2 decimal places. [2]

11 Round 149.5 to the nearest whole number. [1]

12 Round 45 678 to 3 significant figures. [2]

13 Work out $8.46 \div 7$, giving your answer to 2 decimal places. [2]

14 Work out $7.62 \div 5$, giving your answer to 1 decimal place. [2]

15 A number rounds to 6.7 to 1 decimal place. What is the smallest it could be? [2]

- 16** A bag of rice weighs 25 kg. Write its mass in grams. [1]

- 17** A journey is 8460 m. Write it in kilometres. [1]

- 18** Three friends share \$50 equally. How much does each get, to the nearest cent? Give the number of dollars. [2]

- 19** Marcus says dividing by 10^4 always means crossing four zeros off the end. Is he right? [2]
☐ Yes, always
☐ No — only when the number ends in four zeros
- 20** Work out $0.39 \times 10^5 \div 10^2$. [2]

- 21** A field is 38.6 m by 24.3 m. Work out its area to the nearest square metre. [2]

- 22** What is the largest whole number that rounds to 250 to the nearest ten? [1]

END OF TEST