Place Value, Fractions, Decimals and Percentages

Write only on the answer sheet provided. Do not write on these sheets. In multiple choice questions write down the correct letter only.

Part A

4 Which number is the biggest?

A 70

Strategy

- B eight tens
- **c** 79
- D 6 tens + 9 ones

- 5 Subtract one hundred from 3602.
- 6 Multiply 234 by ten.
- 7 167 is nearest to:
 - **A** 160
- **B** 165
- **C** 170
- **D** 175
- 8 In the number 635 the 3 stands for 3 TENS.

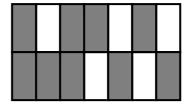
In the number $63\ 200$ the $3\ stands$ for 3



- 10 Write sixty thousand and eighty-two as a number.
- 11 The shading in the diagram shows which fraction?
 - A 9 fifths
- B $\frac{14}{9}$

 $c = \frac{5}{14}$

D 9 fourteenths



- 12
- = 334. What is the number that goes in the box?
- 13
- 99 = 163. What is the number that goes in the box?
- 341 -
 - = 299. What is the number that goes in the box?
- 1 whole 17 twentieths of a whole equals:

- What is 20% of 500? 16
- Add one tenth to 4.273
- You have \$3784 in your savings account that you withdraw in ten dollar notes, 18 and coins. What is the maximum number of ten dollar notes that you can get?
 - **A** 370
- В 379
- **c** 378
- **D** 380

- What is $\frac{1}{4}$ as a percentage?
- Thirty percent equals: 20
 - A 3 halves
- 3 quarters
- C 3 fifths
- 3 tenths
- 21 Write down the correct letter: The largest number is:
 - A 1 third
- **B** 1 quarter
- C 1 fifth
- 1 sixth
- Write down the correct letter: The largest number is: 22

- Forty-six + fourteen = **A** 5
- C 7
- tens. What is the number that goes in the box?

- В 6

D 8

Knowledge

- 59.9×79.98 is closest to: 24
 - **A** 3500
- **B** 4200
- 4800
- **D** 6000

- 25 What does 98×5 equal?
- 26 Which has the largest answer?
 - **A** 118 × 117
- **B** 116 x 118
- **C** 117 x 119
- **D** 120 x 101

27 Write down the *two* correct letters:

Which two numbers multiplied together give an answer closest to the target number 1140?

- 13
- В 29
- 49
- 39

- Work out 5 sixths of 42. 28
- Which of these is not a factor of 336? 29
 - **A** 2
- В 5
- **C** 4
- 3
- On a number line $\frac{48}{7}$ lies between which two numbers?
 - A 5 and 6
- 6 and 7
- 7 and 8
- 8 and 9
- 31 Round 23.694467 correct to 3 decimal places.
- 32 Multiply 23.489 by one hundred.
- Write down any number that is between 777.58 and 778.44 on the number line. 33
- 34 The cost of a large bag of rice weighing 12.5 kilograms is \$10.95. Which calculation is needed to find the cost of one kilogram of rice?
- **A** $10.95 \div 12.5$ **B** 12.5×10.95 **C** $12.5 \div 10.95$
- D 12.5 10.95

- 35
 - 698 ÷ 0.098 is closest to: **A** 70
 - **B** 700
- 7000
- **D** 70 000
- 36 Work out 7 sixtieths of three thousand six hundred.
- What does 9998×5 equal? 37
- 38 The percentage profit of \$402 999 on sales of \$1 999 000 is nearest to:
 - 10%
- В 15%
- 20% C
- D 25%

- 39 224% of \$4012 is nearest to:
 - **A** \$9 000
- \$11 000
- \$ 13 000
- \$ 15 000
- 40 Murray gets a 20% discount on a TV. When he gets home he sees he paid \$200 for it with his cash card. What was the price of the TV before the discount was taken off?
 - **A** \$160
- В \$220
- \$240
- \$250
- 41 The share ratio for the two owners of a company, John and Jane, is 240 000: 360 000. The company's profit is \$499 000. John's share of the profit is nearest to:
 - **A** \$240 000
- В \$200 000
- C \$160 000
- \$120 000
- 42 Write down any number that is between 23.58 and 23.5801 on the number line.
- Eleven thousandths equals:
 - **A** 0.0011
- **B** 0.011
- **C** 0.11
- **D** 11 000

- Which of these numbers is the largest?
- 68%
- **D** 0.595556