

# 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.

**Do not use a calculator.**

## Part A

Strategy

- 1  $94 + 98 =$
  - 2  $900 - 99 =$
  - 3  $4 \text{ tens} + 50 =$
  - 4 Which number is the biggest?  
A 70      B seven tens + 6 ones      C 77      D 8 ones + 7 tens
  - 5 Subtract four hundred from 9805.
  - 6 Multiply 408 by ten.
  - 7 857 is nearest to  
A 840      B 854      C 859      D 860
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Knowledge

- 8 In the number 6785 the 7 stands for 7 HUNDREDS.  
In the number 78 200 the 7 stands for 7

- 9 In the number 960.0809 the 8 stands for 8

- 10 Write twenty-eight thousand and seven as a number.

- 11 The shading in the diagram shows which fraction?

- A 5 twelfths      B 12 over 6  
C  $\frac{5}{7}$       D 7 fifths



## Part B

### Strategy

- 12  $498 + \square = 705$ . What is the number that goes in the box?
- 13  $\square - 199 = 62$ . What is the number that goes in the box?
- 14  $951 - \square = 599$ . What is the number that goes in the box?
- 15 1 whole - 7 eighteenths of a whole equals:  
A  $\frac{11}{7}$       B  $\frac{18}{7}$       C  $\frac{11}{18}$       D  $\frac{7}{11}$
- 16 What is 20% of 550?
- 17 Add one hundredth to 5.073
- 18 You have \$9764 in your savings account that you withdraw in ten dollar notes and coins. What is the maximum number of ten dollar notes that you can get?  
A 970      B 977      C 976      D 980
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### Knowledge

- 19 What is  $\frac{3}{4}$  as a percentage?
- 20 Thirty-three percent is nearest to:  
A 1 half      B 1 third      C 1 quarter      D 1 fifth
- 21 Write down the correct letter: The smallest number is :  
A 1 quarter      B 1 fifth      C 1 sixth      D 1 seventh
- 22 Write down the correct letter: The largest number is:  
A  $\frac{1}{10}$       B  $\frac{1}{12}$       C  $\frac{1}{14}$       D  $\frac{1}{16}$
- 23  $16 + \text{twenty-four} = \square$  tens. What is the number that goes in the box?  
A 4      B 5      C 6      D 7

## Part C

- 24  $38.9 \times 81.08$  is closest to:  
A 3200      B 3400      C 3600      D 3800
- 25 What does  $197 \times 4$  equal?
- 26 Which has the largest answer?  
A  $318 \times 317$       B  $316 \times 318$       C  $317 \times 319$       D  $320 \times 301$
- 27 Write down the *two* correct letters:  
Which two numbers multiplied together give an answer closest to the target number 2398?  
A 19      B 21      C 79      D 31
- 28 Work out 5 eighths of 48.
- 29 Which of these is *not* a factor of 948?  
A 5      B 4      C 3      D 2
- 30 On a number line  $\frac{57}{8}$  lies between which two numbers?  
A 5 and 6      B 6 and 7      C 7 and 8      D 8 and 9
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- 31 Round 98.074492 correct to 3 decimal places.
- 32 Multiply 80.208 by one hundred.
- 33 Write down any number that is between 802.08 and 802.1 on the number line.
- 34 The cost of 0.987 kg of salmon is \$26.95. Which calculation is needed to find the cost of one kilogram of salmon?  
A  $0.987 \div 26.95$       B  $26.95 \div 0.987$       C  $0.987 + 26.95$       D  $26.95 \times 0.987$

- 35  $9.8 \div 0.00999$  is closest to:  
 A 10                      B 100                      C 1000                      D 10 000
- 36 Work out 7 thirtieths of two thousand four hundred.
- 37 What does  $5 \times 8998$  equal?
- 38 The percentage profit of \$200 909 on sales of \$1 008 976 is nearest to:  
 A 10%                      B 15%                      C 20%                      D 25%
- 39 604% of \$502 is nearest to:  
 A \$2 000                      B \$3 000                      C \$4 000                      D \$5 000
- 40 Eric gets a 40% discount on a TV. When she gets home he sees that he paid \$300 for it with his cash card. What was the price of the TV before the discount was taken off?  
 A \$400                      B \$450                      C \$500                      D \$550
- 41 The share ratio for the two owners of a company, Jack and Jill, is 240 : 360. The company's profit is \$19 989.75. Jill's share of the profit is nearest to:  
 A \$8 000                      B \$10 000                      C \$12 000                      D \$14 000

- 42 Write down any number that is between 83.7701 and 83.78 on the number line.
- 43 113 ten-thousandths equals:  
 A 0.0113                      B 0.113                      C 1.13                      D 131
- 44 Which of these numbers is the largest?  
 A  $\frac{1999}{3599}$                       B  $\frac{199}{399}$                       C 49.808%                      D 0.520998