

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

1 $87 + 99 =$

2 $200 - 99 =$

3 $7 \text{ tens} + 20 =$

Strategy

4 Which number is the biggest?

A 70

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

9 In the number 545.809 the 8 stands for 8

10 Write sixty thousand and eighty-two as a number.

Knowledge

11 The shading in the diagram shows which fraction?

A 9 fifths

B $\frac{14}{9}$

C $\frac{5}{14}$

D 9 fourteenths



Part B

12 $198 + \square = 334$. What is the number that goes in the box?

13 $\square - 99 = 163$. What is the number that goes in the box?

14 $341 - \square = 299$. What is the number that goes in the box?

15 1 whole - 17 twentieths of a whole equals:

A $\frac{20}{3}$

B $\frac{20}{17}$

C $\frac{17}{20}$

D $\frac{3}{20}$

16 What is 20% of 500?

17 Add one tenth to 4.273

18 You have \$3784 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 370

B 379

C 378

D 380

19 What is $\frac{1}{4}$ as a percentage?

20 Thirty percent equals:

A 3 halves

B 3 quarters

C 3 fifths

D 3 tenths

21 Write down the correct letter: The largest number is :

A 1 third

B 1 quarter

C 1 fifth

D 1 sixth

22 Write down the correct letter: The largest number is:

A $\frac{1}{8}$

B $\frac{1}{7}$

C $\frac{1}{6}$

D $\frac{1}{5}$

23 Forty-six + fourteen = \square tens. What is the number that goes in the box?

A 5

B 6

C 7

D 8

Part C

- 24 59.9×79.98 is closest to:
A 3500 B 4200 C 4800 D 6000
- 25 What does 98×5 equal?
- 26 Which has the largest answer?
A 118×117 B 116×118 C 117×119 D 120×101
- 27 Write down the *two* correct letters:
Which two numbers multiplied together give an answer closest to the target number 1140?
A 13 B 29 C 49 D 39
- 28 Work out 5 sixths of 42.
- 29 Which of these is *not* a factor of 336?
A 2 B 5 C 4 D 3
- 30 On a number line $\frac{48}{7}$ 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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Strategically

- 31 Round 23.694467 correct to 3 decimal places.
- 32 Multiply 23.489 by one hundred.
- 33 Write down any number that is between 777.58 and 778.44 on the number line.
- 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 $12.5 - 10.95$

Knowledge

Part D

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

Strategy

- 39 224% of \$4012 is nearest to:
A \$9 000 B \$11 000 C \$13 000 D \$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 B \$220 C \$240 D \$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 B \$200 000 C \$160 000 D \$120 000
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Knowledge

- 42 Write down any number that is between 23.58 and 23.5801 on the number line.
- 43 Eleven thousandths equals:
A 0.0011 B 0.011 C 0.11 D 11 000
- 44 Which of these numbers is the largest?
A $\frac{30}{39}$ B $\frac{301}{499}$ C 68% D 0.595556