

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 $98 + 75 =$

2 $300 - 98 =$

3 $40 + 5 \text{ tens} =$

4 Which number is the biggest?

A 60

B ten eights

C 69

D 8 tens + 9 ones

5 Subtract one thousand from 4692.

6 Multiply 739 by ten.

7 277 is nearest to

A 260

B 275

C 270

D 280

8 In the number 975 the 7 stands for 7 TENS.

In the number 47 090 the 7 stands for 7

Knowledge

9 In the number 589.604 the 6 stands for 6

10 Write forty thousand, eight hundred and five as a number.

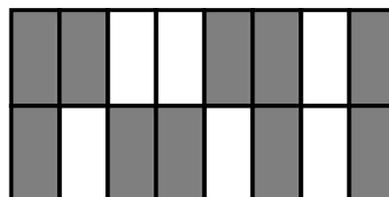
11 The shading in the diagram shows which fraction?

A 10 sixteenths

B 10 over 6

C $\frac{6}{10}$

D 10 sixths



Part B

Strategy

12 $299 + \square = 404$. What is the number that goes in the box?

13 $\square - 99 = 213$. What is the number that goes in the box?

14 $451 - \square = 399$. What is the number that goes in the box?

15 1 whole - 27 thirtieths of a whole equals:

A $\frac{30}{3}$ B $\frac{30}{27}$ C $\frac{27}{30}$ D $\frac{3}{30}$

16 What is 10% of 800?

17 Add one tenth to 3.609

18 You have \$5553 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 55 B 56 C 555 D 556

19 What is $\frac{1}{2}$ as a percentage?

20 Twenty-five percent equals:

A 1 half B 1 quarter C 1 fifth D 1 tenth

21 Write down the correct letter: The largest 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 $\frac{1}{7}$ B $\frac{1}{6}$ C $\frac{1}{5}$ D $\frac{1}{4}$

23 $44 + \text{sixteen} = \square$ tens. What is the number that goes in the box?

A 5 B 6 C 7 D 8

Knowledge

Part C

24 68.9×82.08 is closest to:
A 4200 B 4900 C 5600 D 6300

25 What does 999×5 equal?

26 Which has the largest answer?

A 218×217 B 216×218 C 217×219 D 220×201

27 Write down the *two* correct letters:

Which two numbers multiplied together give an answer closest to the target number 1920?

A 13 B 29 C 49 D 39

28 Work out 5 sevenths of 42.

29 Which of these is *not* a factor of 636?

A 2 B 5 C 4 D 3

30 On a number line $\frac{49}{6}$ lies between which two numbers?

A 5 and 6 B 6 and 7 C 7 and 8 D 8 and 9

31 Round 83.684507 correct to 3 decimal places.

32 Multiply 29.409 by one hundred.

33 Write down any number that is between 707.88 and 708.64 on the number line.

34 One kilogram of rice costs \$2.45. Gerald buys a bag of rice weighing 12.5 kilograms. Which calculation is needed to find the cost of the bag of rice?

A $12.5 \div 2.45$ B 2.45×12.5 C $2.45 \div 12.5$ D $12.5 - 2.45$

Part D

Strategy

- 35 $699 \div 0.094$ is closest to:
A 70 B 700 C 7000 D 70 000
- 36 Work out 5 thirtieths of three thousand six hundred.
- 37 What does 9999×9 equal?
- 38 The percentage profit of \$399 999 on sales of \$2 008 000 is nearest to:
A 10% B 15% C 20% D 25%
- 39 301% of \$4012 is nearest to:
A \$10 000 B \$12 000 C \$14 000 D \$16 000
- 40 Margaret gets a 25% discount on a washing machine. When she gets home she sees she paid \$600 for it with her cash card. What was the price of the washing machine before the discount was taken off?
A \$450 B \$625 C \$700 D \$800
- 41 The share ratio for the two owners of a company, Jerry and Janice, is 40 000 : 60 000. The company's profit is \$501 000. Janice's share of the profit is nearest to:
A \$350 000 B \$300 000 C \$250 000 D \$200 000
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Knowledge

- 42 Write down any number that is between 0.056 and 0.05601 on the number line.
- 43 Thirteen ten-thousandths equals:
A 0.0013 B 0.013 C 0.13 D 13 000
- 44 Which of these numbers is the largest?
A $\frac{40}{49}$ B $\frac{301}{399}$ C 69% D 0.618756