Test Yourself   Chapter 1 Number skills and the history of number

Name: _____

All Multiple Choice

1   The Egyptian number

◎◎◎∩∩∩III

represents:
A   9
B   303
C   333
D   3033

2   The Roman numeral CDLXXXIX is equal to:
A   139
B   189
C   439
D   489

3   The Roman numeral for 1254 is:
A   MCCLIV
B   MCCDIV
C   MCCLVI
D   MCCDVI

4   Which of the following Roman numerals has the greatest value?
A   CCCXXXIII
B   CD
C   CLV
D   CCCXLIV

5   734 + 2866 =
A   2590
B   3600
C   9106
D   9117

6   6341 + 87 327 + 903 =
A   32 147
B   83 561
C   94 571
D   231 037

7   In a state election, four regional centres were telephoning their voting results into a central polling area. If the results given for one party were 2347, 8944, 23 781 and 15 980, the total number of votes the party received was:
A   31 604
B   38 842
C   40 852
D   51 052

8   32 731 − 12 415 =
A   20 314
B   20 316
C   20 324
D   20 336

9   145 783 − 957 =
A   144 826
B   145 234
C   298 683
D   563 784

10   A fruit picker is expected to pick 3000 pieces of fruit each day. If rain slowed him down and he only picked 2019 pieces, the number that he will be short for the day is:
A   19
B   891
C   981
D   1019

11 $27\,528 \times 24 =$
A   165 174
B   165 178
C   528 542
D   660 672

12 A machine packages boxes which each contain 24 cans. The number of cans packaged if the machine completes 2500 boxes in one day is:
A   600
B   6000
C   60 000
D   600 000

13 $4\overline{)68522} =$
A   1713 rem 2
B   12 105 rem 2
C   17 130 rem 2
D   17 130 rem 5

14 The first division prize in a lottery paid $4 198 968. If it was divided between eight winners, they each received:
A $520 346
B $521 121
C $524 782
D $524 871

15 $8 + 3 \times 5 - 25 \div 5 =$
A   6
B   18
C   20
D   24

16 $(4 + 11) \div 3 + 17 - 6 \times 2 =$
A   4
B   10
C   14
D   26

17 Grouping symbols would need to be inserted in the following places to make the statement $6 + 7 \times 3 - 4 \times 5 = 91$ correct.
A $(6 + 7) \times 3 - 4 \times 5 = 91$
B $6 + (7 \times 3) - 4 \times 5 = 91$
C $6 + 7 \times (3 - 4) \times 5 = 91$
D $6 + (7 \times 3 - 4) \times 5 = 91$

18 An estimation by rounding to the first digit for 345 982 is:
A   30 000
B   300 000
C   350 000
D   400 000

19 An estimate for the solution to 6832×23 is:
A   110 000
B   120 000
C   130 000
D   140 000

20 A car yard sold 28 cars in one month at a cost of $21 799 each. An estimate for their monthly takings would be:
A $400 000
B $560 000
C $600 000
D $640 000

21 Which of the following is not a square number?
A   1
B   24
C   36
D   81

22 $\sqrt{36} =$
A   6
B   9
C   18
D   72

23 The first four triangular numbers are:
    A   1, 3, 6, 10
    B   1, 4, 9, 16
    C   1, 3, 9, 27
    D   1, 2, 5, 10

24 The first four Fibonacci numbers are:
    A   1, 2, 3, 4
    B   1, 4, 8, 16
    C   1, 3, 6, 10
    D   1, 1, 2, 3

..\Test Yourself answers\MQ7 NSW Ch01 TY ans.doc

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All Multiple Choice

1 The Egyptian number

𐦀𐦀𐦀∩∩∩|||

represents:

A 9
B 303
C 333
D 3003   C

2 The Roman numeral CDLXXXIX is equal to:

A 159
B 189
C 439
D 489   D

3 The Roman numeral for 1254 is:

A MCCLIV
B MCCDIV
C MCCLVI
D MCCDVI   A

4 Which of the following Roman numerals has the greatest value?

A CCCXXXII
B CD
C CLV
D CCCXLIV   B

5 734 + 2866 =

A 2590
B 3600
C 9106
D 9117   B

6 6341 + 87 327 + 903 =

A 32 147
B 83 561
C 94 571
D 231 037   C

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A 31 604
B 38 842
C 40 852
D 51 052   D

8 32 731 − 12 415 =

A 20 314
B 20 316
C 20 324
D 20 336   B

9 145 783 − 957 =

A 144 826
B 145 234
C 298 683
D 563 784   A

10 A fruit picker is expected to pick 3000 pieces of fruit each day. If rain slowed him down and he only picked 2019 pieces, the number that he will be short for the day is:

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B 891
C 981
D 1019   C

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B $521 121
C $524 782
D $524 871   D

15 8 + 3 × 5 − 25 ÷ 5 =

A 6
B 18
C 20
D 24   B

16 (4 + 11) ÷ 3 + 17 − 6 × 2 =

A 4
B 10
C 14
D 26   B

17 Grouping symbols would need to be inserted in the following places to make the statement 6 + 7 × 3 − 4 × 5 = 91 correct.

A (6 + 7) × 3 − 4 × 5 = 91
B 6 + (7 × 3) − 4 × 5 = 91
C 6 + 7 × (3 − 4) × 5 = 91
D 6 + (7 × 3 − 4) × 5 = 91   D

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C 350 000
D 400 000   B

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A $400 000
B $560 000
C $600 000
D $640 000   C

21 Which of the following is not a square number?

A 1
B 24
C 36
D 81   B

22 √36 =

A 6
B 9
C 18
D 72   A

23 The first four triangular numbers are: A

A   1, 3, 6, 10
B   1, 4, 9, 16
C   1, 3, 9, 27
D   1, 2, 5, 10

24 The first four Fibonacci numbers are: D

A   1, 2, 3, 4
B   1, 4, 8, 16
C   1, 3, 6, 10
D   1, 1, 2, 3