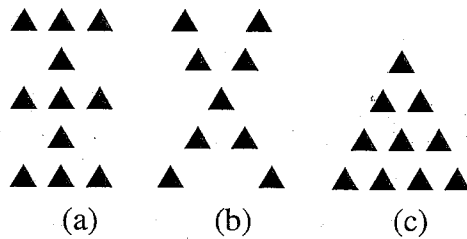


## Subtest 2: Quantitative Skills

TIME: 30 Minutes  
52 Questions

**DIRECTIONS:** Select the best answer choice.

61. Examine (a), (b), and (c) and find the best answer.



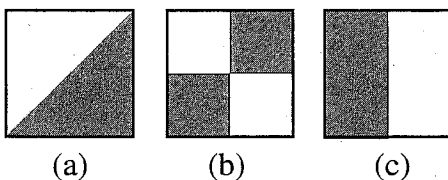
- (A) (a) is greater than (b) and less than (c).  
 (B) (b) and (c) are equal.  
 (C) (a) and (c) are equal.  
 (D) (c) is less than (a) and more than (b).
62. Look at this series: 90, 77, 64, 51, ... What numeral should come next?  
 (A) 42 (C) 36  
 (B) 38 (D) 40
63. Look at this series: 86, 78, 75, 67, 64, ... What numeral should come next?  
 (A) 56 (C) 58  
 (B) 57 (D) 61
64. Examine (a), (b), and (c) and find the best answer.  
 (a)  $(3 + 4) \times 5$   
 (b)  $3 + (4 \times 5)$   
 (c)  $(5 + 3) \times 4$   
 (A) (a) is greater than (b) and less than (c).  
 (B) (a) is greater than (b) and greater than (c).

- (C) (c) is less than (b) and greater than (c).  
 (D) (a) is less than (b) and less than (c).

65. What number is 7 more than  $\frac{1}{2}$  of 16?

- (A) 8 (C) 15  
 (B) 10 (D) 23

66. Examine the equal rectangles (a), (b), and (c) and find the best answer regarding their shaded parts.



- (A) (a), (b), and (c) are equal.  
 (B) (a) is greater than (b) and equal to (c).  
 (C) (b) is greater than (c).  
 (D) (a) and (b) are equal and both are less than (c).

67. Examine (a), (b), and (c) and find the best answer.

(a)  $\frac{1}{2}$  of 24

(b)  $\frac{1}{3}$  of 48

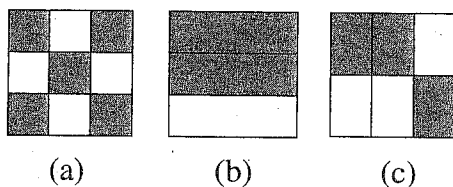
(c)  $\frac{1}{4}$  of 60

- (A) (a), (b), and (c) are all equal.  
 (B) (a) is greater than (b) and less than (c).  
 (C) (c) is greater than (a) and less than (b).  
 (D) (b) is greater than (c) and less than (a).

68. Look at this series: 20, 24, 30, 35, 42,... What numeral should come next?

- (A) 49 (C) 45  
 (B) 48 (D) 50

69. What number is 4 less than  $\frac{2}{3}$  of 21?
- (A) 10 (C) 14  
(B) 18 (D) 3
70. What number is 10 more than  $\frac{1}{5}$  of 35?
- (A) 15 (C) 10  
(B) 17 (D) 21
71. Examine the equal rectangles (a), (b), and (c) and find the best answer regarding their shaded parts.



- (A) (a) is greater than (b) and greater than (c).  
(B) (a) is greater than (b) and less than (c).  
(C) (a) is less than (b) and greater than (c).  
(D) (a), (b), and (c) are equal.
72. Look at this series: 200, 180, 164, 152, 144,... What numeral should come next?
- (A) 144 (C) 136  
(B) 140 (D) 132
73. What number subtracted from 22 leaves  $\frac{1}{10}$  of 90?
- (A) 9 (C) 16  
(B) 13 (D) 20
74. What number squared is half of 72?
- (A) 3 (C) 9  
(B) 6 (D) 12
75. Look at this series: 35, 44, 48, 57, 61,... What numeral should come next?

- (A) 68 (C) 70  
(B) 69 (D) 72

76. Look at this series: 2008, 1995, 1982, 1969,... What numeral should come next?

- (A) 1960 (C) 1957  
(B) 1958 (D) 1956

77. What number multiplied by 7 is 3 more than 95?

- (A) 14 (C) 21  
(B) 18 (D) 28

78. Look at this series: 8, 17, 26, \_\_\_\_, 44, 53,... What numeral should fill in the blank?

- (A) 32 (C) 34  
(B) 33 (D) 35

79. Examine (a), (b), and (c) and find the best answer.

(a)  $\frac{11}{20}$

(b) 60%

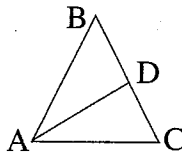
(c) .5

- (A) (a) is greater than (b) and greater than (c).  
(B) (b) is greater than (a) and greater than (c).  
(C) (c) is greater than (a) and greater than (b).  
(D) (c) is greater than (b) and less than (a).

80. What number divided by 3 leaves 5 less than 18?

- (A) 13 (C) 39  
(B) 33 (D) 42

81. Examine the equilateral (equal-sided) triangle and find the best answer.



- (A) AD is equal to AB.      (C) AD is greater than BC.  
(B) AD is less than AC.    (D) AD is less than CD.

82. What number multiplied by itself is 20 less than 45?

- (A) 5                              (C) 6  
(B) 10                             (D) 3

83. Examine (a), (b), and (c) and find the best answer.

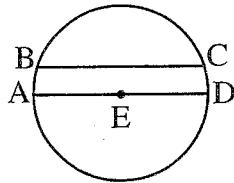
(a)  $\frac{7}{16}$

(b)  $\frac{3}{8}$

(c)  $\frac{13}{32}$

- (A) (c) is greater than (a) and greater than (b).  
(B) (b) is greater than (a) and greater than (c).  
(C) (a) is greater than (b) and greater than (c).  
(D) (a), (b), and (c) are equal.

84. Examine the circle with center E and find the best answer.



- (A) BC is equal to AB.      (C) AD is equal to BC.  
(B) AE is equal to DE.      (D) BC is equal to CD.

85. What number divided by 20 leaves 20 less than 30?

- (A) 100                          (C) 300  
(B) 200                          (D) 400

86. Look at this series: 512, 128, 32, 8,... What numeral should come next?

- (A) 6                                (C) 2  
(B) 4                                (D) 1

87. Look at this series: 90, 30, 27, 9, 6,... What numeral should come next?  
(A) 1 (C) 3  
(B) 2 (D) 4
88. Three-fourths of what number is  $\frac{1}{3}$  of 36?  
(A) 12 (C) 16  
(B) 15 (D) 18
89. Look at this series: XX, XXV, XXX, XXXV,... What numeral should come next?  
(A) XXVX (C) LX  
(B) XXXVI (D) XL
90. Look at this series: 53, 45, 41, 33, 29, 21,... What numeral should come next?  
(A) 17 (C) 13  
(B) 15 (D) 11
91. One-sixth of what number is 4 multiplied by itself?  
(A) 18 (C) 144  
(B) 60 (D) 96
92. Examine (a), (b), and (c) and find the best answer.  
(a)  $(16 \div 8) \times 2$   
(b)  $(16 \div 2) \times 8$   
(c)  $16 \div (8 \times 2)$   
(A) (a), (b), and (c) are all equal.  
(B) (a) is less than (b) and less than (c).  
(C) (b) is less than (a) and less than (c).  
(D) (c) is less than (a) and less than (b).
93. Look at this series: 61, 63, 70, \_\_, 79, 81, 88,... What numeral should fill in the blank?  
(A) 90 (C) 72  
(B) 95 (D) 59

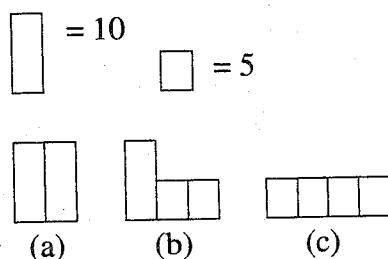
94. What number divided by 6 is  $\frac{1}{8}$  of 32?

- (A) 12 (C) 18  
(B) 24 (D) 36

95. Look at this series: 13, 9, 18, 14, 28, 24, ... What number should come next?

- (A) 32 (C) 56  
(B) 20 (D) 48

96. Examine (a), (b), and (c) and find the best answer.



- (A) (a) is greater than (b) and greater than (c).  
(B) (b) is greater than (a) and greater than (c).  
(C) (c) is greater than (a) and greater than (b).  
(D) (a), (b), and (c) are all equal.

97. What number subtracted from 30 leaves 4 more than  $\frac{5}{6}$  of 30?

- (A) 26 (C) 5  
(B) 1 (D) 6

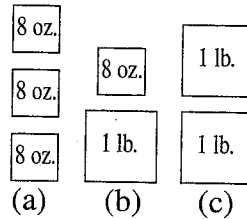
98. Examine (a), (b), and (c) and find the best answer.

- (a)  $2x + 3y$   
(b)  $6xy$   
(c)  $3x + 2y$
- (A) (a) = (b) = (c)  
(B) (a) = (b), (b)  $\neq$  (c)  
(C) (a)  $\neq$  (b), (b)  $\neq$  (c), (a)  $\neq$  (c)  
(D) (a)  $\neq$  (b), (b) = (c)

99. Look at this series: 53, 49, 60, 56, 67, 63,... What two numerals should come next?

- (A) 69, 65                      (C) 70, 66  
 (B) 74, 70                      (D) 71, 67

100. Examine (a), (b), and (c) and find the best answer.



- (A) (a) is equal to (b).  
 (B) (a) is equal to (c).  
 (C) (b) is equal to (c).  
 (D) (a) is equal to (b) and equal to (c).

101. What number added to 10 is twice the product of 5 and  $\frac{1}{2}$  of 8?

- (A) 10                              (C) 25  
 (B) 20                              (D) 30

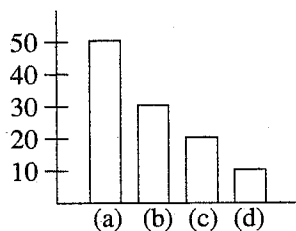
102. Look at this series: 68, 109, 72, 101, 76,... What numeral should come next?

- (A) 105                              (C) 103  
 (B) 80                                (D) 93

103. Examine (a), (b), and (c) and find the best answer.

- (a)  $2^4$   
 (b)  $3^3$   
 (c)  $4^2$   
 (A) (a) is equal to (b).  
 (B) (a) is equal to (c).  
 (C) (b) is equal to (c)  
 (D) (a) is equal to (b) is equal to (c).

104. Examine the graph and find the best answer.



- (A) (a) minus (b) equals (c) minus (d).  
 (B) (a) minus (c) equals (b) minus (d).  
 (C) (a) minus (d) equals (b) plus (d).  
 (D) (b) plus (c) equals (a) plus (d).

105. Look at this series: 84, 81, 27, 24, 8, ... What numeral should come next?

- (A) 5 (C) 6  
 (B) 7 (D) 3

106. What number multiplied by 2 is 3 times  $\frac{1}{2}$  of 16?

- (A) 4 (C) 15  
 (B) 12 (D) 20

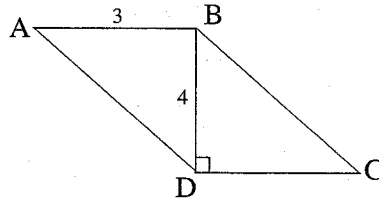
107. What number added to  $\frac{5}{9}$  of 36 is  $\frac{2}{3}$  of 42?

- (A) 8 (C) 14  
 (B) 12 (D) 20

108. Examine (a), (b), and (c) and find the best answer.

- (a)  $.3 \times .4$   
 (b)  $.6 \times .2$   
 (c)  $1 \times 1.2$   
 (A) (a) is equal to (b) is equal to (c).  
 (B) (a) is equal to (b) which is greater than (c).  
 (C) (a) is equal to (b) which is less than (c).  
 (D) (a) is greater than (b) and greater than (c).

109. Examine the parallelogram and find the best answer.



- (A) The perimeter of the parallelogram is 12.
  - (B) The area of the parallelogram is 12.
  - (C) The perimeter of triangle ABD is 13.
  - (D) The area of triangle ABD is 5.
110. Look at this series: 42, 47, 46, 52, 49, 56, 51,... What three numerals should come next?
- (A) 59, 52, 61
  - (B) 60, 54, 62
  - (C) 57, 53, 61
  - (D) 62, 60, 68
111. One-third of what number subtracted from 10 is 2 times  $\frac{1}{4}$  of 12?
- (A) 6
  - (B) 12
  - (C) 15
  - (D) 18
112. Look at this series: 51, 57, 63, 60, 66, 72,... What numeral should come next?
- (A) 76
  - (B) 74
  - (C) 70
  - (D) 69