

Exam

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve.

- 1) Write 93,673 in words. 1) _____
A) ninety- three thousand, sixty-seven hundred, three
B) ninety thousand, six hundred seventy- three
C) nine thousand, six hundred seventy- three
D) ninety- three thousand, six hundred seventy- three

- 2) Write "three hundred seven thousand, two hundred ninety- two" in standard form. 2) _____
A) 307,292 B) 37,292 C) 370,292 D) 3,007,292

Simplify.

- 3) $86 + 26$ 3) _____
A) 102 B) 112 C) 111 D) 113

- 4) $401 - 217$ 4) _____
A) 194 B) 184 C) 185 D) 294

- 5) 5) _____
$$\begin{array}{r} 295 \\ \times 60 \\ \hline \end{array}$$

A) 17,700 B) 16,700 C) 27,700 D) 18,700

- 6) $21,319 \div 46$ 6) _____
A) 463 R19 B) 463 C) 21 D) 463 R21

- 7) $2^3 \cdot 7^2$ 7) _____
A) 128 B) 392 C) 256 D) 384

- 8) $12 \div 1$ 8) _____
A) 1 B) 12 C) $\frac{1}{12}$ D) undefined

- 9) $0 \div 94$ 9) _____
A) 94 B) 0 C) 1 D) undefined

- 10) $45 \div 0$ 10) _____
A) 0 B) 45 C) $\frac{1}{45}$ D) undefined

- 11) $(10^2 - 2) \cdot 2$ 11) _____
A) 196 B) 128 C) 96 D) 160

- 12) $8 + 16 \div 4 \cdot 5 - 7$ 12) _____
 A) 35 B) 23 C) 21 D) 73
- 13) $7^1 \cdot 3^3$ 13) _____
 A) 63 B) 34 C) 9261 D) 189
- 14) $4[(7 - 4)^2 + (21 - 19)^2] + 11$ 14) _____
 A) 63 B) 96 C) 41 D) 4
- 15) $2589 \cdot 1000$ 15) _____
 A) 258,910,000 B) 2,589,000 C) 258,900 D) 25,891,000

Solve.

- 16) Find the average of 88, 82, 74, 78, and 88. 16) _____
 A) 82 B) 81 C) 74 D) 88
- 17) Round 46,684 to the nearest thousand. 17) _____
 A) 46,000 B) 46,700 C) 46,600 D) 47,000

Estimate the sum or difference by rounding each number to the nearest hundred.

- 18) $5941 + 7887 + 3941$ 18) _____
 A) 16,000 B) 17,700 C) 18,000 D) 17,800
- 19) $6961 - 3835$ 19) _____
 A) 3200 B) 3126 C) 3100 D) 3000

Solve.

- 20) Subtract 59 from 633. 20) _____
 A) 568 B) 692 C) 474 D) 574
- 21) Find the sum of 38 and 201. 21) _____
 A) 7638 B) 478 C) 239 D) 163
- 22) Find the product of 13 and 507. 22) _____
 A) 6584 B) 6591 C) 6598 D) 741
- 23) Find the quotient of 134 and 14. 23) _____
 A) 9 R 9 B) 9 R 8 C) 8 R 8 D) 10 R 8
- 24) Amy teaches Chinese lessons for \$45 per student for a 6-week session. From one group of students, she collects \$1620. Find how many students are in the group. 24) _____
 A) 26 students B) 36 students C) 40 students D) 38 students
- 25) The seats in a lecture hall are arranged in 23 rows with 6 seats in each row. Find how many seats are in this room. 25) _____
 A) 144 seats B) 148 seats C) 132 seats D) 138 seats

26) In preparation for his new job, Luke bought two suits at \$179 a piece, five shirts at \$24 a piece, two pairs of shoes at \$71 a piece, and four ties at \$25 a piece. What was the total cost of these items?

A) \$769

B) \$750

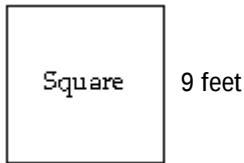
C) \$720

D) \$305

26) _____

Find the perimeter and the area of the figure.

27)



27) _____

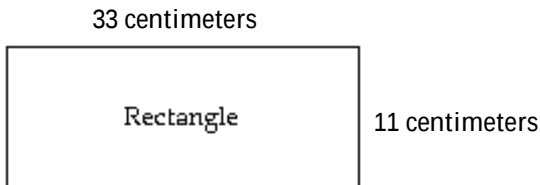
A) perimeter: 36 ft; area: 324 sq ft

B) perimeter: 18 ft; area: 81 sq ft

C) perimeter: 36 ft; area: 81 sq ft

D) perimeter: 81 ft; area: 36 sq ft

28)



28) _____

A) perimeter: 88 cm; area: 363 sq cm

B) perimeter: 88 cm; area: 726 sq cm

C) perimeter: 363 cm; area: 88 sq cm

D) perimeter: 44 cm; area: 363 sq cm

Solve.

29) Evaluate $6 + (x^3 - 7)$ for $x = 3$.

A) 14

B) 26

C) 28

D) 8

29) _____

30) Evaluate $\frac{7x + 15y}{8}$ for $x = 6$ and $y = 10$.

A) 14

B) 24

C) 20

D) 192

30) _____

Translate the phrase into a mathematical expression. Use x to represent "a number".

31) The product of 8 and a number

A) $\frac{8}{x}$

B) $8 - x$

C) $8 + x$

D) $8x$

31) _____

32) 6 less than 8 times a number

A) $8x - 6$

B) $6 - 8x$

C) $8 - 6x$

D) $6x - 8$

32) _____

Solve.

33) Is 4 a solution of the equation $8x - 8 = 24$?

A) yes

B) no

33) _____

34) Determine which (if any) number in the set is a solution to the given equation.

$3x - 7 = 13 - 7x$; $\{0, 2, 10\}$

A) 10

B) 2

C) 0

D) none of them

34) _____

Answer Key

Testname: UNTITLED1

- 1) D
- 2) A
- 3) B
- 4) B
- 5) A
- 6) D
- 7) B
- 8) B
- 9) B
- 10) D
- 11) A
- 12) C
- 13) D
- 14) A
- 15) B
- 16) A
- 17) D
- 18) B
- 19) A
- 20) D
- 21) C
- 22) B
- 23) B
- 24) B
- 25) D
- 26) C
- 27) C
- 28) A
- 29) B
- 30) B
- 31) D
- 32) A
- 33) A
- 34) B