

Part 1 of 2

Please print and complete all information.

Name

Date

Instructions: Spend no more than 15 minutes on this assessment.

For the following five arithmetic questions, you may use the right side of the page for scratch work. All answers are whole numbers.

1. $(267 \times 3) / 9 = \underline{\hspace{2cm}}$
 2. $225 - (43 + 92) = \underline{\hspace{2cm}}$
 3. $1960 / (818 - 426) = \underline{\hspace{2cm}}$
 4. $(17 + 21) \times 40 = \underline{\hspace{2cm}}$
 5. $(364 / 7) + 39 = \underline{\hspace{2cm}}$
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Instructions: The 10 questions that follow show a series of numbers. You must choose the two numbers that would come next if the series were carried further. Circle the correct choice for each question. Here is an example:

2,4,6,8,10,12 18,19 14,16 12,20 11,13

If this series were continued, the next two numbers would be 14 and 16. Therefore, a circle is drawn around "14,16."

	A	B	C	D
6. 16,12,15,11,14,10	9,5	13,9	14,10	13,10
7. 15,16,14,17,13,18	23,19	12,19	12,20	16,21
8. 12,14,13,15,14,16	17,15	15,16	15,18	15,17
9. 16,8,4,2,1,1/2	0,1	1/5,1/10	1,2	1/4,1/8
10. 25,24,22,21,19,18	16,15	17,16	15,14	16,14
11. 4,8,10,20,22,44	48,96	40,80	46,92	48,94
12. 21,18,16,13,11,8	5,2	6,3	6,4	5,3
13. 3,4,6,9,13,18	23,29	25,30	23,28	24,31
14. 1,4,9,16,25,36	48,60	47,58	45,60	49,64
15. 21,18,16,15,12,10	8,6	7,4	9,6	9,7

Please be sure all 15 items are marked.

Part 2 of 2

Instructions: Work each problem below and circle the correct answer. Work the easier problems first, then return to the harder ones if you have time.

- 16.** Miss Jones begins her morning at 8:30 A.M. and has lunch at 12 noon. During this time she types three letters for Mr. Masters and five letters for Mr MacDougal. An hour and a half of her time is taken up in answering the telephone and taking dictation, but otherwise she devotes the entire morning to the letters. What was the average length of time required to type each letter?
- a. 4 minutes
 - b. 5 1/2 minutes
 - c. 10 minutes
 - d. 12 minutes
 - e. 15 minutes
- 17.** A new product costs a dealer \$6.12 per 24-unit case, delivered. If the dealer sets an introductory feature sale price of 29 cents per bottle, what will be his gross profit per case?
- a. \$0.48
 - b. \$0.58
 - c. \$0.72
 - d. \$0.84
 - e. \$1.16
- 18.** Maintenance costs of an old machine come to \$2.00 per hour. An engineer has designed a machine that will do the same job with a maintenance cost of 50 cents an hour. The new machine costs \$3,000, installed. If the factory is in operation 40 hours a week, how many weeks will be required in order for the new machine to pay for itself through the reduction in maintenance costs?
- a. 35
 - b. 50
 - c. 75
 - d. 140
 - e. 175
- 19.** A certain carpet costs \$4.50 per square yard. A room has a rectangular floor that is 12 feet by 15 feet in area. What will be the cost of the carpet needed to cover the floor?
- a. \$40.50
 - b. \$54.00
 - c. \$67.50
 - d. \$90.00
 - e. \$270.00
- 20.** Ordinarily a certain supermarket had been selling 12 dozen tubes of a certain toothpaste every two weeks. When Salesman Jones built a special display of the toothpaste in this store, 36 dozen of this size were sold in a single week. The sales of this size of the toothpaste in this store for this particular week were what percent of those in the usual week?
- a. 30
 - b. 150
 - c. 200
 - d. 300
 - e. 600

Please be sure all 5 items are marked.