

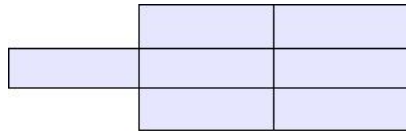
Name:

## Grade 5

1.  $15\% * 46 =$ 
  - a. 7.2
  - b. 6.9
  - c. 6.5
  - d. 6.1
  - e. 5.4
2.  $5.66 * 2.3 =$ 
  - a. 13.018
  - b. 13.469
  - c. 14.182
  - d. 14.768
  - e. 15.478
3.  $1\frac{5}{8} + \frac{3}{4} * \frac{1}{2} =$ 
  - a.  $1\frac{3}{16}$
  - b.  $1\frac{3}{8}$
  - c. 2
  - d.  $2\frac{3}{16}$
  - e.  $2\frac{3}{8}$
4.  $3.2 * 1.5 \div \frac{1}{5} =$ 
  - a. 9.6
  - b. 20
  - c. 24
  - d. 27.4
  - e. 30.2
5. What is  $\frac{1}{5}\%$  in decimal form?
  - a. 0.2
  - b. 0.02
  - c. 0.002
  - d. 0.0002
  - e. 0.00002
6. What comes next in the sequence below?  
1, 3, 15, 105, \_\_
  - a. 315
  - b. 555
  - c. 945
  - d. 1265
  - e. 1555

7. What is the sum of all the factors of 78?
- a. 127
  - b. 139
  - c. 149
  - d. 168
  - e. 188
8. What is in the ones place when you multiply the first 13 positive whole numbers?
- a. 7
  - b. 5
  - c. 3
  - d. 2
  - e. 0
9. The product of 2 whole numbers is 78. Which of the following cannot be its sum?
- a. 19
  - b. 29
  - c. 41
  - d. 63
  - e. 79

10. How many rectangles are there?



- a. 7
  - b. 13
  - c. 18
  - d. 21
  - e. 24
11. A 16 inches by 12 inches cardboard box is cut to make an open top box. Four 3 x 3 inch square pieces are cut off from the corners. The four sides are folded to make an open top box. What is the volume of the box in cubic inches?
- a. 576
  - b. 180
  - c. 192
  - d. 48
  - e. 36
12. Jess reads 6 pages in 8 minutes. At the same rate, how many pages will he read in 2 hours?
- a. 15
  - b. 30
  - c. 60
  - d. 90
  - e. 120

13. Shirley is facing south and then makes a quarter turn clockwise. She then makes a  $225^\circ$  turn counter clockwise. Now in which direction is he facing?
- North
  - Northeast
  - Northwest
  - Southeast
  - Southwest
14. In a jar of gumballs,  $\frac{1}{8}$  of the balls are red,  $\frac{1}{4}$  are blue,  $\frac{1}{2}$  are yellow, and the remaining 12 balls are green. How many blue gumballs are in the jar?
- 72
  - 64
  - 48
  - 36
  - 24
15. The sum of two integers is nine. The sum of their squares is 41. What is the product of the two numbers?
- 8
  - 14
  - 18
  - 20
  - None of the above
16. The game store had a 20% sale for all board games this weekend. Amy had a coupon for an additional 20% discount and bought a game for \$80. What was the original price of the game?
- 108
  - 80
  - 112
  - 120
  - 125
17. There are 33 students in a class and everyone in the class plays at least one of two sports: baseball and soccer. Twenty-seven students play baseball. Eleven students play both soccer and baseball. How many students play soccer?
- 16
  - 13
  - 11
  - 8
  - 6
18. A and B are digits from 0 to 9 and  $AB + AB = 118$ , what is A?
- 5
  - 6
  - 7
  - 8
  - 9

19. It takes five bakers five hours to bake five pies. Assuming no change of rate, how many hours will it take 10 bakers to bake 10 pies?

- a. 1
- b. 2
- c. 5
- d. 10
- e. 15

20. Two positive whole numbers multiply to 100, neither of which contains the digit 0. What is the sum of these 2 numbers?

- a. 52
- b. 29
- c. 25
- d. 20
- e. 15