GED Mathematical Reasoning Practice

Choose one answer per question. Circle A, B, C, or D.

1. A 6-roll package costs $9.30. What is the cost per roll?
   A. $1.55
   B. $1.45
   C. $1.65
   D. $2.15

2. A worker puts 15% of a $680 paycheck into savings. How much goes into savings?
   A. $85
   B. $68
   C. $102
   D. $117

3. A freezer starts at −4 °C. Its temperature decreases by 6 °C, then increases by 3 °C. What is the final temperature?
   A. −1 °C
   B. −7 °C
   C. 5 °C
   D. −13 °C

4. A rectangular garden is 14 feet long and 9 feet wide. How many feet of edging are needed to go once around it?
   A. 37 feet
   B. 23 feet
   C. 126 feet
   D. 46 feet

5. A tool rental costs a fixed $14 fee plus $9 per hour. Which expression gives the total charge in dollars for h hours?
   A. 23h
   B. 14 + 9h
   C. 9 + 14h
   D. 14h − 9

6. A warehouse has 96 cartons. Three-eighths of the cartons are ready for pickup. How many are ready?

A. 36
B. 12
C. 24
D. 60

7. A repair shop logs five wait times of 22, 31, 14, 26, and 18 minutes. What is the median wait?

A. 24 minutes
B. 26 minutes
C. 18 minutes
D. 22 minutes

8. On a plan, 1 inch represents 8 feet. A corridor measures 3.25 inches on the plan. How long is the actual corridor?

A. 28 feet
B. 24 feet
C. 26 feet
D. 32 feet

9. A delivery costs $38. That includes a fixed $8 charge and $2.50 per box. How many boxes were delivered?

A. 12
B. 10
C. 14
D. 15

10. A rectangular storage container is 3 feet long, 2 feet wide, and 18 inches tall. What is the volume in cubic feet?

A. 108 cubic feet
B. 18 cubic feet
C. 6 cubic feet
D. 9 cubic feet

11. A $120 chair is discounted by 25%. Then an 8% sales tax is charged on the discounted price. What is the total?

A. $90.00
B. $99.60
C. $97.20
D. $93.60

12. A class has a $215 supply budget. Delivery costs $17 and each kit is $14. What is the greatest number of kits the class can buy within budget?

A. 13
B. 14
C. 15
D. 16

13. One crew repaired 8 lamps with an average repair time of 25 minutes. Another crew repaired 12 lamps with an average of 35 minutes. What was the average for all 20 repairs?

A. 33 minutes
B. 30 minutes
C. 28 minutes
D. 31 minutes

14. Job A pays $35 plus $16 for each hour worked. Job B pays $59 plus $12 per hour. At what number of hours do the two jobs pay the same amount?

A. 6 hours
B. 4 hours
C. 8 hours
D. 12 hours

15. A 9-foot by 13-foot room has a 2-foot by 4-foot platform that will remain uncovered. A package covers 11 square feet. What is the least number of whole packages that cover the rest of the room?

A. 11
B. 9
C. 10
D. 12