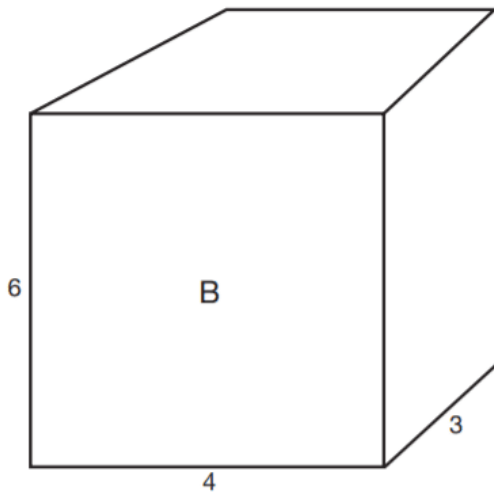


## GED Math Practice Test 3

Q1. The dimensions of Box B, shown below, are twice the length of the corresponding dimensions on Box A (not shown).



- A). The volume of Box A is greater than the volume of Box B.
- B). The volume of Box B is twice the volume of Box A.
- C). The volume of Box B is three times the volume of Box A.
- D). The volume of Box B is four times the volume of Box A.
- E). The volume of Box B is eight times the volume of Box A.

Answer : \_\_\_\_

Q2. At the end of baseball season, 5% of the children enrolled in a local youth baseball program will be chosen to play in the state tournament. If 12 children will be chosen to play in the tournament, how many children are enrolled in the program?

- A). 24
- B). 60
- C). 120
- D). 240
- E). 600

Answer : \_\_\_\_

Q3. A bag contains 12 red, 3 blue, 6 green, and 4 yellow marbles. If a marble is drawn from the bag at random, what is the probability that the marble will be either blue or yellow?

- A). 7%
- B). 12%
- C). 16%
- D). 25%
- E). 28%

Answer : \_\_\_\_

**Q4. Patricia wants to order business cards. A printing company determines the cost (C) to the customer using the following function, where b = the number of boxes of cards and n = number of ink colors.**

**$C = \$25.60b + \$14.00b(n - 1)$  If Patricia orders 4 boxes of cards printed in 3 colors, how much will the cards cost?**

- A). \$214.40
- B). \$168.00
- C). \$144.40
- D). \$102.40
- E). \$56.00

Answer : \_\_\_\_

**Q5. Andrea bought a used mountain bike for \$250. She gave the bike a new paint job; replaced the tires, chain, and gear assembly; and sold the bike for 150% of the price she paid. For what amount, in dollars, did she sell the bike?**

- (You may have to enter the correct value)

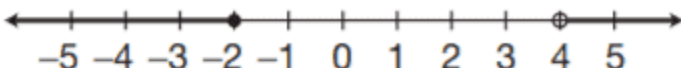
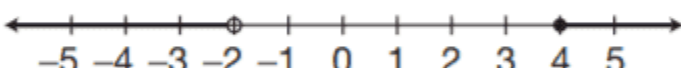
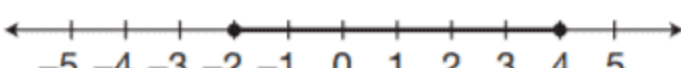
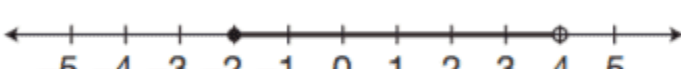
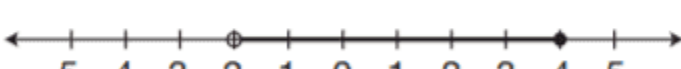
Answer : \_\_\_\_

**Q6. Ajani finds that the distance between two landmarks on a map is  $6\frac{1}{2}$  inches. If the map scale reads  $\frac{3}{4}$  inch = 120 miles, what is the actual distance, in miles, between the two landmarks?**

- (You may have to enter the correct value)

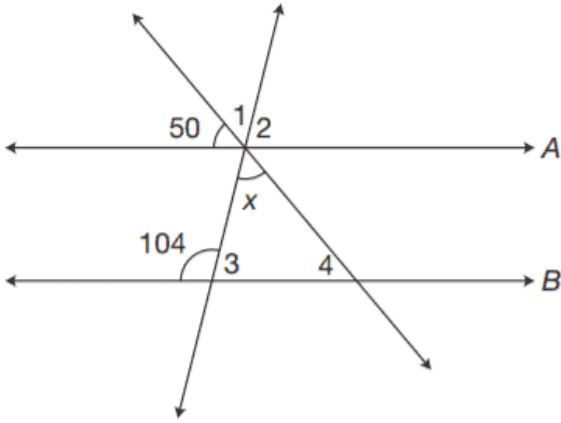
Answer : \_\_\_\_

**Q7. Which of the following is a graph of the inequality  $-2 \leq x < 4$ ?**

- A). 
- B). 
- C). 
- D). 
- E). 

Answer : \_\_\_\_

**Questions 8 and 9 are based on the following figure.**



Lines A and B are parallel.

Q8. What is the measure of  $\angle 4$ ?

- A).  $50^\circ$
- B).  $76^\circ$
- C).  $126^\circ$
- D).  $130^\circ$
- E).  $104^\circ$

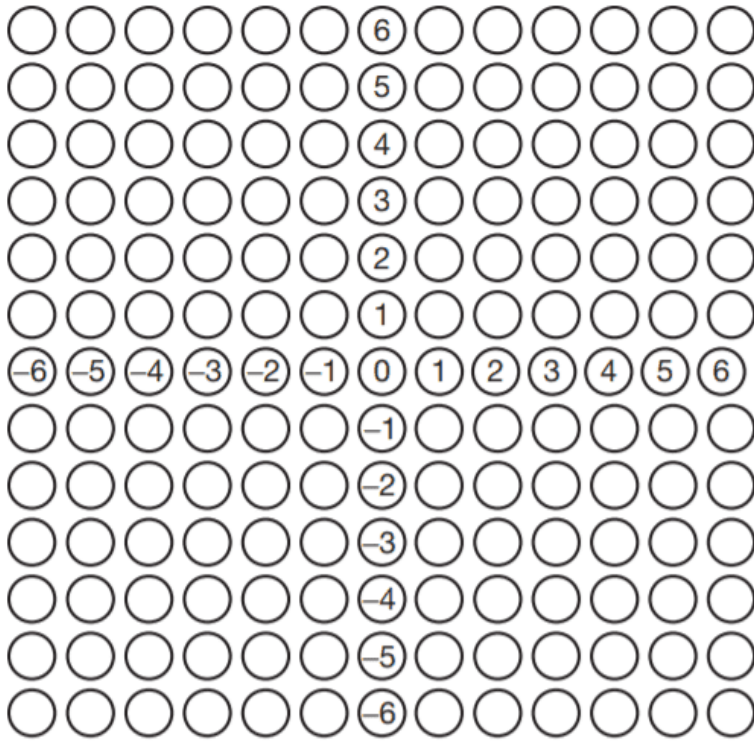
Answer : \_\_\_\_

Q9. What is the value of  $x$ ?

- A).  $54^\circ$
- B).  $76^\circ$
- C).  $126^\circ$
- D).  $130^\circ$
- E). Not enough information is given

Answer : \_\_\_\_

Q10. On a coordinate plane, a vertical line is drawn through the point  $(-3,4)$ . On the same plane, a horizontal line is drawn through the point  $(2,-1)$ . At what point on the plane will the two lines intersect?



- You may have to answer on the coordinate grid (screen)

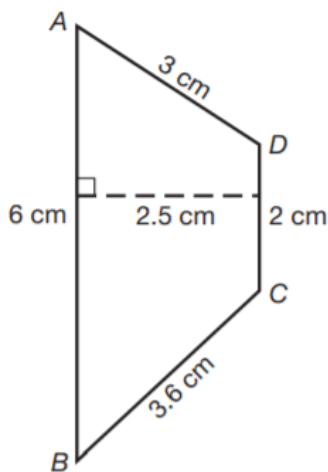
Answer : \_\_\_\_

**Q11. What was Edmundo’s mean score for a round of golf in August if his scores for each round were 78, 86, 82, 81, 82, and 77?**

- A). 77
- B). 78
- C). 81
- D). 81
- E). 84

Answer : \_\_\_\_

**Q12. In quadrilateral ABCD, side AB is parallel to side CD. Sides AD and BC are not parallel. What is the area of the figure to the nearest square centimeter?**



- A). 10 cm<sup>2</sup>
- B). 12 cm<sup>2</sup>

- C).  $14 \text{ cm}^2$
- D).  $18 \text{ cm}^2$
- E).  $20 \text{ cm}^2$

Answer : \_\_\_\_

**Q13.** A display of canned yams has a sign that reads “5 cans for \$3.” At the same rate, how much would the store charge, to the nearest whole cent, for 8 cans?

- A). 1.80
- B). 2.80
- C). 3.80
- D). 4.80
- E). 8.80

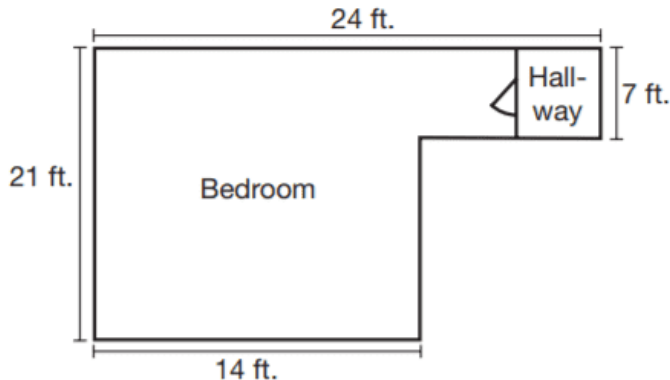
Answer : \_\_\_\_

**Q14.** A plastic pipe, 5 feet 9 inches long, is cut into three equal pieces. Assuming no waste when the cuts are made, what is the length of each piece?

- A). 1 ft. 6 in.
- B). 1 ft. 8 in.
- C). 1 ft. 9 in.
- D). 1 ft. 11 in.
- E). 2 ft.

Answer : \_\_\_\_

**Q15.** The Wrights plan to carpet their bedroom and the adjoining hallway as shown in the diagram. What is the area of the bedroom and hallway in square feet?



- A). 147
- B). 336
- C). 294
- D). 364
- E). 504

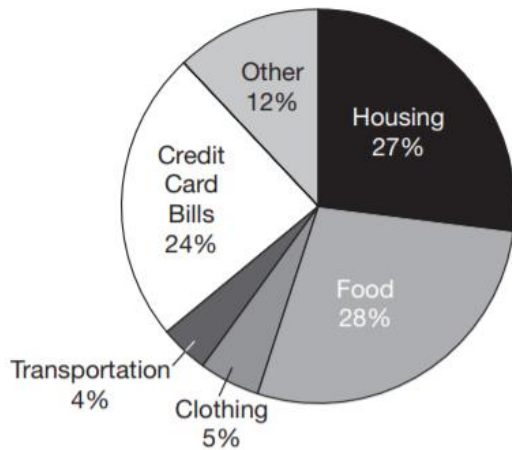
Answer : \_\_\_\_

**Q16.** One number is 12 more than 3 times another number. The sum of the 2 numbers is  $-20$ . What are the numbers?

- A).  $-2$  and  $-18$
- B).  $-4$  and  $-16$
- C).  $-5$  and  $-15$
- D).  $-6$  and  $-14$
- E).  $-8$  and  $-12$

Answer : \_\_\_\_

Questions 17 and 18 refer to the following graph.



The Kleins are trying to pay off their credit card debt, so they developed the following budget based on their monthly take-home pay.

**Q17.** If the Kleins' monthly take-home pay is \$2,500, about how much do they plan to pay each month on their credit card debt?

- A). \$600
- B). \$450
- C). \$300
- D). \$240
- E). Not enough information is given.

Answer : \_\_\_\_

**Q18.** What fraction of the Kleins' monthly take-home pay goes toward clothing?

- A).  $\frac{1}{20}$
- B).  $\frac{3}{20}$
- C).  $\frac{1}{40}$
- D).  $\frac{2}{40}$
- E).  $\frac{3}{50}$

Answer : \_\_\_\_

**Q19.** The graph of the equation  $y = -\left(\frac{3}{4}\right)x + 1$  is a line that passes through points C and D on the coordinate plane. Which of the following points also lies on the graph of the equation?

- A). (2,0)
- B). (3,-1)
- C). (5,-3)
- D). (8,-5)
- E). (10,-6)

Answer : \_\_\_\_

**Q20. The sum of three consecutive even integers is 90. What is the greatest number in the series?**

- A). 26
- B). 28
- C). 30
- D). 32
- E). 34

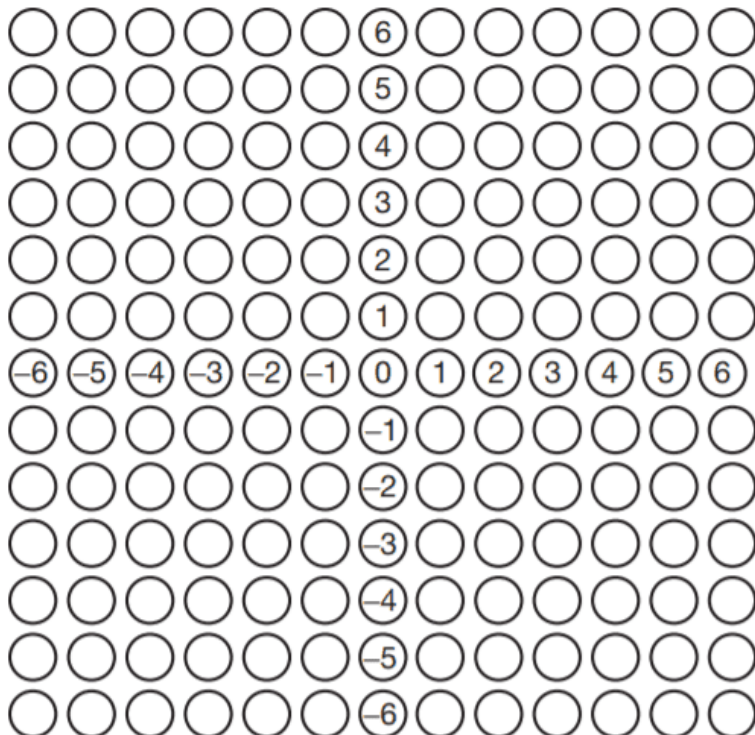
Answer : \_\_\_\_

**Q21. The three interior angles of  $\Delta JKL$  measure  $45^\circ$ ,  $45^\circ$ , and  $90^\circ$ . The three interior angles of  $\Delta PQR$  measure  $45^\circ$ ,  $45^\circ$ , and  $90^\circ$ . The side JK of JKL measures 4 cm. Based on the given information, which of the following must be a true statement?**

- A).  $\Delta JKL$  and  $\Delta PQR$  are acute triangles.
- B). One side of  $\Delta PQR$  measures 4 cm
- C). The perimeter of  $\Delta JKL$  is 12 cm.
- D).  $\Delta JKL$  and  $\Delta PQR$  are congruent triangles.
- E).  $\Delta JKL$  and  $\Delta PQR$  are similar triangles.

Answer : \_\_\_\_

**Q22. A parallelogram is drawn on a coordinate grid so that three vertices are located at (3,4), (-2,4), and (-4,1). At what coordinates should the fourth vertex be located?**



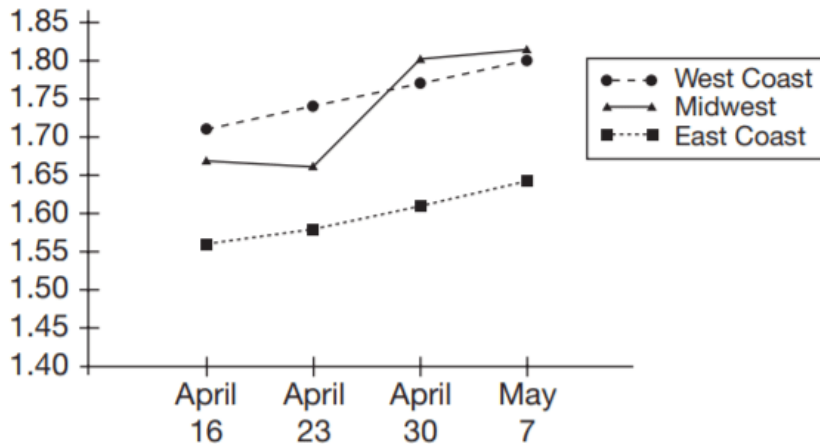
Answer : \_\_\_\_

**Q23.** Eight athletes ran a 1 mile race. The winner's time was 4 minutes 8 seconds. If the median time was 4 minutes 48 seconds, what was the time of the athlete who finished last?

- A). 5 min. 28 sec.
- B). 5 min. 4 sec.
- C). 4 min. 46 sec.
- D). 4 min. 28 sec.
- E). Not enough information is given.

Answer : \_\_\_\_

Questions 24 and 25 refer to the following information.



**Q24.** On what date and in what location was there the greatest jump in the price of gasoline from one week to the next?

- A). April 23 on the West Coast
- B). April 30 in the Midwest
- C). April 30 on the West Coast
- D). May 7 on the East Coast
- E). May 7 in the Midwest

Answer : \_\_\_\_

**Q25.** Based on the information in the graph, which of the following is the best prediction of the price per gallon of gasoline on the West Coast for the week following May 7?

- A). \$1.64
- B). \$1.71
- C). \$1.76
- D). \$1.82
- E). \$1.86

Answer : \_\_\_\_

**Q26.** Chikita made three long-distance calls. According to her phone bill, the calls were 19 minutes, 24 minutes, and 8 minutes in length. If Chikita pays 9 cents per minute on all long-distance calls, how much was she billed for the three calls?

- A). \$2.70
- B). \$4.59
- C). \$5.10
- D). \$13.77
- E). \$15.30



Answer : \_\_\_\_

**Q27.** Maggie and Christian decided to share the cost of buying their friends a wedding gift. Maggie put in \$20 less than twice the amount that Christian contributed. Together, they spent \$94. How many dollars did Maggie contribute toward the gift?

- A). \$56
- B). \$76
- C). \$86
- D). \$96
- E). \$106

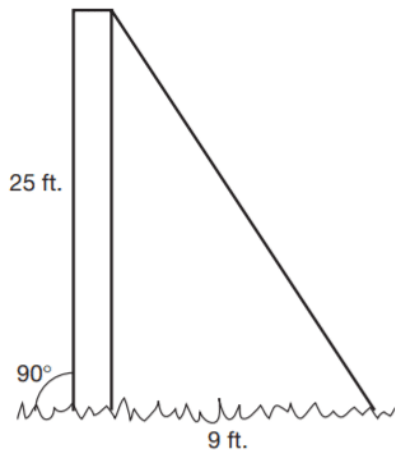
Answer : \_\_\_\_

**Q28.** The Northridge Quakers have won 20 games and lost 15. What is the ratio of games won to game played?

- A). 3:4
- B). 3:7
- C). 4:3
- D). 4:7
- E). 4:10

Answer : \_\_\_\_

**Q29.** To set up a tent, workers place a 25-foot pole in the center of a grassy area as shown in the diagram. A bracing wire is attached to the top of the pole and to a stake 9 feet from the base of the pole. Which of the following represents the length of the bracing wire?



- A).  $\sqrt{1156}$
- B).  $\sqrt{706}$
- C).  $\sqrt{625}$
- D).  $\sqrt{256}$
- E).  $\sqrt{34}$

Answer : \_\_\_\_

**Q30.** What is the value of the expression  $-3 \times 5^2 + 2(4 - 18) + 3^2$ ?

- A). -130
- B). -76
- C). -20
- D). 74
- E). 130

Answer : \_\_\_\_

**Q31. The lengths of the sides of  $\triangle ABC$  are 6 inches, 8 inches, and 10 inches. Which of the following conclusions must be true?**

- A).  $\angle C$  is a right angle
- B).  $\triangle ABC$  is an acute triangle.
- C).  $\triangle ABC$  contains one obtuse angle.
- D).  $\angle A$  is an acute angle.
- E).  $m\angle A + m\angle B + m\angle C = 180^\circ$

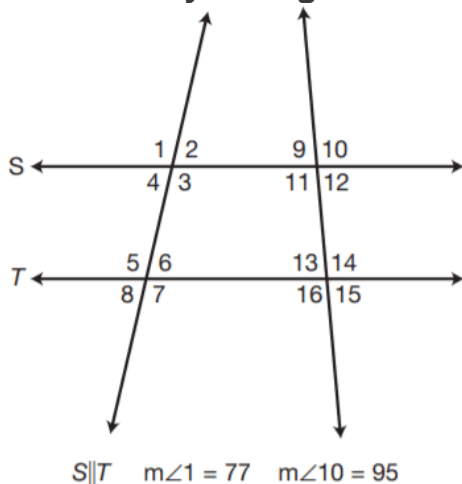
Answer : \_\_\_\_

**Q32. Two sides of a triangle measure 6 and 10 inches. If the triangle is a right triangle, which of the following could be the measure, in inches, of the third side?**

- A). 4
- B). 6
- C). 8
- D). 10
- E). 12

Answer : \_\_\_\_

**Q33. Classify the figure containing interior angles 3, 6, 11, and 13.**



- A). scalene triangle
- B). trapezoid
- C). parallelogram
- D). rectangle
- E). square

Answer : \_\_\_\_

**Q34. The floor of a walk-in closet measures 7 feet by 4 feet. If the ceiling height is 8 feet, what is the volume in cubic feet of the closet?**

- A). 28
- B). 56
- C). 112
- D). 168
- E). 224

Answer : \_\_\_\_

**Q35. In a right triangle, the hypotenuse measures 15 inches. If one leg of the triangle measures 6 inches, which of the following equations could be used to find the length of the other leg (x) in inches?**

- A).  $x = 15 + 6$
- B).  $x = 15 - 6$
- C).  $x = 15 - 6$
- D).  $x^2 = 15^2 + 6^2$
- E).  $x^2 = 15^2 - 6^2$

Answer : \_\_\_\_

### Answer Keys and Explanation Link

<https://gotestprep.com/ged-math-test-answers-printable-pdf/>