

Standardized Test Practice

(Chapters 1–7)

Part 1: Multiple Choice

Instructions: Fill in the appropriate circle for the best answer.

1. A car traveled 23 miles east and then 18 miles north. How far is the car from the starting point? (Lesson 3-5)

A 6.4 mi B 20.5 mi C 29.2 mi D 41 mi

1. Ⓐ Ⓑ Ⓒ Ⓓ

2. A scale drawing of a park has a length of 5.5 inches. The actual park has a width of 30 feet and a length of 60 feet. What is the width in inches of the scale drawing of the playground? (Lesson 4-8)

F 27.5 G 16.5 H 11 J 2.75

2. Ⓕ Ⓖ Ⓗ Ⓙ

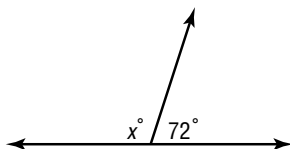
3. A pair of sneakers originally priced \$45 are marked 10% off. What is the amount of markdown? (Lesson 5-8)

A 45¢ B \$4.50 C 4.5¢ D \$10

3. Ⓐ Ⓑ Ⓒ Ⓓ

4. Find the value of x in the figure at the right. (Lesson 6-1)

F 18 H 72
G 28 J 108



4. Ⓕ Ⓖ Ⓗ Ⓙ

5. If $\triangle ABC \cong \triangle DEF$, which of the following is *not* true? (Lesson 6-4)

A $\overline{CA} \cong \overline{FD}$ B $\angle C \cong \angle F$ C $\angle A \cong \angle E$ D $\overline{AB} \cong \overline{DE}$

5. Ⓐ Ⓑ Ⓒ Ⓓ

6. Find the sum of the measures of the interior angles of a 13-gon. (Lesson 6-3)

F 2,340 G 1,980 H 13 J 180

6. Ⓕ Ⓖ Ⓗ Ⓙ

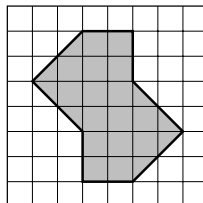
7. Which is the best estimate of the circumference of a circle with diameter 8 inches? (Lesson 7-1)

A 25 in. B 38 in. C 50 in. D 201 in.

7. Ⓐ Ⓑ Ⓒ Ⓓ

8. What is the area of the figure at the right? (Lesson 7-3)

F 16 units² H 20 units²
G 18 units² J 28 units²



8. Ⓕ Ⓖ Ⓗ Ⓙ

9. Choose the measurement that is most precise. (Lesson 7-8)

A 61 cm B 6.1 mm C 61 m D 6.1 km

9. Ⓐ Ⓑ Ⓒ Ⓓ

10. Evaluate $|c + d|$ if $c = -6$ and $d = -10$. (Lesson 1-4)

F 16 G -16 H 4 J -4

10. Ⓕ Ⓖ Ⓗ Ⓙ

7**Standardized Test Practice***(continued)**(Chapters 1–7)*

11. Find $\frac{-6}{14} \cdot \frac{-28}{40}$. Write in simplest form. (Lesson 2-3)

A $\frac{-3}{10}$

C 3

B $\frac{3}{10}$

D 10

11. Ⓐ Ⓑ Ⓒ Ⓓ

12. Solve $529 = p^2$. (Lesson 3-1)

F 23 or -23

H -23

G 23

J 25

12. Ⓕ Ⓖ Ⓗ Ⓙ

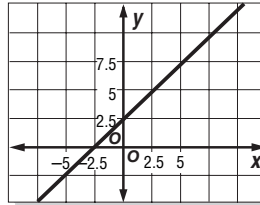
13. Find the rate of change of the line shown. (Lesson 4-10)

A -2.5

B 1

C -1

D 2.5



13. Ⓐ Ⓑ Ⓒ Ⓓ

14. Find 22.5% of 360. Write a percent proportion. Then solve. (Lesson 5-3)

F 81

G 100

H 22.5

J 360

14. Ⓕ Ⓖ Ⓗ Ⓙ

15. Last year there were 340 students at Center Middle School. This year there are 357 students. Find the percent of change. (Lesson 5-8)

A 357%

B 17%

C 10%

D 5%

15. Ⓐ Ⓑ Ⓒ Ⓓ

16. Find the total amount in an account if \$2,500 is invested at 3.25% simple interest for 2 years. (Lesson 5-9)

F \$2,662.50

H \$162.50

G \$2,500.00

J \$3.25

16. Ⓕ Ⓖ Ⓗ Ⓙ

17. Find the sum of the measures of the interior angles of a 16-gon. (Lesson 6-3)

A 180

B 280

C 2,520

D 2,880

17. Ⓐ Ⓑ Ⓒ Ⓓ

18. Solve $-13g = -143$. (Lesson 1-10)

F -11

H $\frac{1}{11}$

G $-\frac{1}{11}$

J 11

18. Ⓕ Ⓖ Ⓗ Ⓙ

19. Find the unit rate in miles per hour if you can travel 210 miles in 2 hours. (Lesson 4-10)

A 85

B 95

C 105

D 115

19. Ⓐ Ⓑ Ⓒ Ⓓ