

## STAAR Practice Test - 7th Grade

1. A gymnastics meet has spectator seating with a total of 5 rows. There are 14 seats in the front row, 12 seats in each of the middle rows, and 10 seats in the back row. Each spectator is randomly assigned to a seat for the event. What is the probability that the first spectator will get a front row seat?
2. Salami costs \$2.75 per pound. Which equation best represents  $y$ , the total cost of  $x$  pounds of salami?
  - A.  $x=2.75y$
  - B.  $y= 2.75 + x$
  - C.  $y= 2.75x$
  - D.  $y = 2.75 - x$
3. What is the solution set for  $5x + 15 \geq 5$  ?
4. The ratio of boys to girls in karate class is 4 to 3. There are 12 girls in the class. How many boys are in the class?
5. A sample of 25 middle school students were asked their preference of comedy, drama, or romantic movies. 12 students liked comedy, 8 students liked romantic, and 5 students liked drama. Based on the survey results, which of these is the best prediction of movie preferences for the entire 400 students at the middle school?
  - A. There are 200 students who like comedy.
  - B. There are 80 students who like drama and 128 who like romantic movies.
  - C. There are 50 more students who like romantic movies compared to drama.
  - D. There are 7 more students who like comedy compared to drama.

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6. The circumference of the circle was about 43.96 feet, and the diameter of the circle was 14 feet. What is the area of the circle?
7. What is the value of the expression  $-12 \times 7.4$ ?
8. Jasmine bought 2 pair of jeans and gave the cashier \$40. The cashier gave her \$8.02 in change. Each pair of jeans costs the same amount. How much did one pair of jeans cost?

## *STAAR Practice Test Answer Key - 7th Grade*

1. A gymnastics meet has spectator seating with a total of 5 rows. There are 14 seats in the front row, 12 seats in each of the middle rows, and 10 seats in the back row. Each spectator is randomly assigned to a seat for the event. What is the probability that the first spectator will get a front row seat?

**=  $14/60 = 7/30$**

2. Salami costs \$2.75 per pound. Which equation best represents  $y$ , the total cost of  $x$  pounds of salami?

- A.  $x=2.75y$
- B.  $y= 2.75 + x$
- C.  $y= 2.75x$**
- D.  $y = 2.75 - x$

3. What is the solution set for  $5x + 15 \geq 5$  ?

**$x \geq -2$**

4. The ratio of boys to girls in karate class is 4 to 3. There are 12 girls in the class. How many boys are in the class?

**16 boys**

5. A sample of 25 middle school students were asked their preference of comedy, drama, or romantic movies. 12 students liked comedy, 8 students liked romantic, and 5 students liked drama. Based on the survey results, which of these is the best prediction of movie preferences for the entire 400 students at the middle school?

- A. There are 200 students who like comedy.
- B. There are 80 students who like drama and 128 who like romantic movies.**
- C. There are 50 more students who like romantic movies compared to drama.
- D. There are 7 more students who like comedy compared to drama.

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6. The circumference of the circle was about 43.96 feet, and the diameter of the circle was 14 feet. What is the area of the circle?

**= 153.86 ft<sup>2</sup> or 49π**

7. What is the value of the expression  $-12 \times 7.4$ ?

**= -88.8**

8. Jasmine bought 2 pair of jeans and gave the cashier \$40. The cashier gave her \$8.02 in change. Each pair of jeans costs the same amount. How much did one pair of jeans cost?

**= \$15.99**

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Each question on this practice exam is meant to test your child's knowledge on a different segment of the STAAR Math test. We encourage you to review the questions missed and dive further into that concept.

We would love to help your kids prepare for the upcoming exam! **Contact us for a free in-depth assessment to get started. Let's ace this test!**