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STAAR Review

1. If $\frac{3}{5}$ < n < 67%, which of the following could be the value of n?

A 0.55 B 0.6 C 0.65 D 0.7

1. A certain store sells 25 pencils for $1.40. At this rate, how much would 10 pencils cost?

A 50 cents B 56 cents C 60 cents D 64 cents

1. Miguel found a website where he can download 4 music videos for $5. Which of the following website sells videos for the same price?

A Website A: 2 videos for $2.85

B Website B: 3 videos for $3.72

C Website C: 5 videos for $6.00

D Website D: 7 videos for $8.75

1. Triangle ABC has the coordinate A(0,8), B(4,4) and C(-6,2). Find the new coordinates if the triangle is dilated by a scale factor of 2 and the center stays in the same place.

A A’(0,4) , B’(2,2) , C’(-3,1)

B A’(0,16), B’(4,8), C’(-6,4)

C A’(0,10), B’(6,6), C’(-4,4)

D A’(0,16), B’(8,8), C’(-12,4)

1. A bicycle race is being held in a local park. Each biker will begin his or her ride at a point A, turn at points B and C, and then return to point A for the finish.



How many total miles will a biker travel during the race?

A 10 miles B 24 miles C 28 miles D 114 miles

1. Jamie purchased 4 tickets to a water park. The tickets cost $18.00 each. Jamie’s total bill was $79.56. What is the tax rate that Jamie paid?

A 2.38% B 6.85% C 9.51% D 10.5%

1. A company is making a cylinder with the following dimensions a diameter of 6 centimeters and a height of 15 centimeters. Which would be the best approximation of the volume of the cylinder?

A 90 $cm^{3}$ B 324$cm^{3}$ C 135 $cm^{3}$ D 405 $cm^{3}$

1. The heights of the five buildings are 6.8 meters, 7.02 meters, 6.92 meters, 7.11 meters, and 6.85 meters. Which of the following shows these listed from greatest to least?

A 6.8 m, 6.85 m, 6.92 m , 7.02 m, 7.11 m

B 6.92 m, 6.85 m, 7.11 m , 6.8 m, 7.02 m

C 7.11 m , 7.02 m, 6.92 m , 6.8 m , 6.85 m

D 7.11m , 7.02m , 6.92 m , 6.85 m , 6.8 m

1. Indira plans on treating her parents to a musical performance at the local theatre. If she buys 3 tickets to a Saturday performance, the total cost will be $150. If she buys 3 tickets to a Wednesday performance, the total cost will be $126.75. How much more will the tickets for the Saturday performance cost than the tickets for the Wednesday performance?

A $13.25 B $23.25 C $33.25 D $23.75

1. A racehorse is running at a speed of 45 miles per hour. At that rate, how long does it take the horse to travel 2 miles?

A .04 min B 2.67 min C 22.5 min D 43 min

1. Jessica enlarges a picture using a copy machine. The picture is 6 inches by 9 inches. She uses a scale factor of 2.7. What size will the new picture be?

A 16.2 in. by 24.3 in.

B 16.2 in. by 11.7 in.

C 8.7 in. by 24.3 in.

D 8.7 in. by 11.7 in.



1. Rudy wants to paint the given shape below.



What is the surface area Rudy will have to paint?

A 406 $in^{2}$ B 616 $in^{2}$ C 630$ in^{2}$ D 357 $in^{2}$

1. If you toss three pennies at once, what is the probability that all three coins will show tails as a percent? Record your answers and fill in the bubbles on your answer document above. Be sure to sue the correct place values.
2. The Chef at Camp Riverside can make 64 peanut butter sandwiches with one large jar of peanut butter. She can make 30 peanut butter sandwiches with one small jar of peanut butter. Which of the following operations could be used to find the total number of peanut butter sandwiches she can make with 5 large jars of peanut butter and 6 small jars of peanut butter?

A Multiplication and addition

B Multiplication and Subtraction

C Addition and division

D Addition and division

1. The diameter of a barium atom is 4.346 x $10^{-7}$ millimeters. Which of these numbers is written in standard form-

A 0.000004346 mm B 0.000000004346 C 4,346,000 D 0.0000004346

1. Paula earns $9.50 per hour. She works 4 hours per day, 5 days per week. How much money does she earn per week?

A $38 B $85.50 C $190 D $266

1. 62.5% of the students in the 8th grade wanted to have a school play. There are 264 students in the 8th grade. How many students did not want to have a school play?

A 33 B 66 C 99 D 165

1. A person has a table top with the following dimensions given.



What is the area of the table top?

 A 30 cm B 1500 $cm^{2}$ C 1200 $cm^{2}$ D 2000 $cm^{2}$

1. Kaylee prints a clip art flower on an overhead transparency. She wants to paint the flower on her bedroom wall and wants the flower to be 2 feet in diameter. When the projector is 3 feet from the wall, the image on the wall is 6 inches in diameter. How far from the wall must Kaylee set the projector?

A 6 feet B 9 feet C 12 feet D 15 feet

1. Translate the following into a algebraic expression.

The sum of a number and 3 times that number.

A n + 3n B n x 3n C n + 3 D 3n

1. For every 8 customers that went to the ice cream store , 3 ordered their ice cream cones. If 200 customers came into the store one week, how many would order cones?

A 25 customers B 75 customers C 533 customers D 600 customers

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