Spring BREAK

Math Prep Grade 5

Math. Trust. Results.

Prep it up! [SM]

CRS
College-Readiness Standards

Student's Name: _____ Date: _____

Teacher's Name: _____ School Name: _____

NAME_____ DATE_____

1. Jeff bought 6 pounds of lunch meat. He puts $\frac{1}{8}$-pound of meat on each sub sandwich. How many sandwiches can he make?

Ⓐ 68 Ⓑ 48 Ⓒ 42 Ⓓ 36 Ⓔ 1

2. It takes Kevin $\frac{3}{4}$-hour to wash a car.

How long will it take him to wash 5 cars? Mark all that apply.

Ⓐ $5\frac{3}{4}$ hours Ⓑ $15\frac{1}{4}$ hours Ⓒ $\frac{15}{4}$ hours Ⓓ $3\frac{3}{4}$ hours Ⓔ $3\frac{1}{4}$ hours

3. Listed below are the amounts of water in each of 3 containers. If all the water is poured into 1 container, how much water will there be, in cups? Mark all that apply.

$2\frac{3}{8}$ cups $2\frac{1}{8}$ cups $2\frac{1}{4}$ cups

Ⓐ $2\frac{3}{4}$ Ⓑ $6\frac{3}{4}$ Ⓒ $2\frac{5}{20}$ Ⓓ $6\frac{5}{20}$ Ⓔ $6\frac{6}{8}$

4. Which of the following are true about the coordinate system?

Ⓐ The origin is (0, 0).
Ⓑ The x and y axes are parallel number lines.
Ⓒ The x coordinate describes vertical distance.
Ⓓ The y coordinate describes vertical distance.
Ⓔ The x and y axes intersect at the origin.

5. Al has a box that he uses to store his shells. What is the volume of the box?

7 inches
10 inches
8 inches

Ⓐ 56 in² Ⓑ 56 in³ Ⓒ 560 in² Ⓓ 560 in³ Ⓔ 576 in³
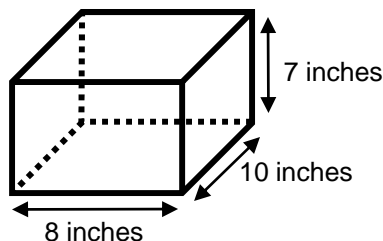
NAME_____   DATE_____

1. Wendy has 652 antique dolls in her collection.
   Each doll is worth $175.

   What is the value of her collection?

   Answer: $ [   ]

2. Jay ate $\frac{2}{3}$ of a pizza. Dan ate 4 times the amount Jay ate.

   How much pizza did Dan eat? Mark all that apply.

   Ⓐ $4\frac{2}{3}$ Ⓑ $3\frac{2}{3}$ Ⓒ $2\frac{2}{3}$ Ⓓ $\frac{8}{3}$ Ⓔ $\frac{3}{8}$

3. Listed below are the amounts of water in each of 3 containers. If all the water is
   poured into 1 container, how much water will there be, in cups?

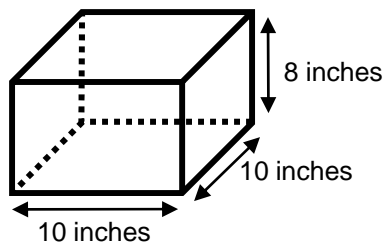 $4\frac{2}{5}$ cups $4\frac{2}{3}$ cups $4\frac{1}{6}$ cups

   Ⓐ $13\frac{3}{7}$ Ⓑ $13\frac{7}{30}$ Ⓒ $12\frac{5}{14}$ Ⓓ $12\frac{7}{30}$ Ⓔ $12\frac{3}{7}$

4. Which of the following is true about a rhombus? Mark all that apply.

   Ⓐ It is a square.   Ⓒ It is a quadrilateral.
   Ⓑ It is a rectangle.   Ⓓ It is a parallelogram.   Ⓔ It must have 4 right angles.

5. Jack has a box that he uses to store his shells. What is the volume of the box?

   8 inches

   10 inches

   10 inches

   Ⓐ 250 in²   Ⓑ 250 in³   Ⓒ 800 in²   Ⓓ 800 in³   Ⓔ 1,000 in³

NAME_____   DATE_____

1. Simplify the expression.

$$3 + \{[2 \times ((6 + 4 \times 8) - 3)] \div 10\}$$

(A) 100   (B) 78   (C) 42   (D) 24   (E) 10

2. Monet has 12 inches of tape. She uses $\frac{1}{4}$ -inch piece of tape to seal each envelope. How many envelopes can she seal?

(A) 3   (B) 4   (C) 6   (D) 12   (E) 48

3. Listed below are the amounts of water in each of 3 containers.
   If all the water is poured into 1 container, how much water will there be, in cups?

$5\frac{1}{3}$ cups $5\frac{1}{4}$ cups $5\frac{1}{8}$ cups

(A) $14\frac{3}{15}$ (B) $14\frac{17}{24}$ (C) $15\frac{17}{24}$ (D) $15\frac{7}{24}$ (E) $15\frac{7}{12}$

4. Which of the following is true about a rectangle? Mark all that apply.

(A) It is a parallelogram.   (C) It has 4 right angles.
(B) It is a square.   (D) It has 4 congruent sides.   (E) It is a quadrilateral.

5. Stephen has a display case for his awards.
   What is the volume of the display case shown below?
   Use the appropriate unit of measure. Show your work.

10 inches

9 inches

10 inches

11 inches   11 inches
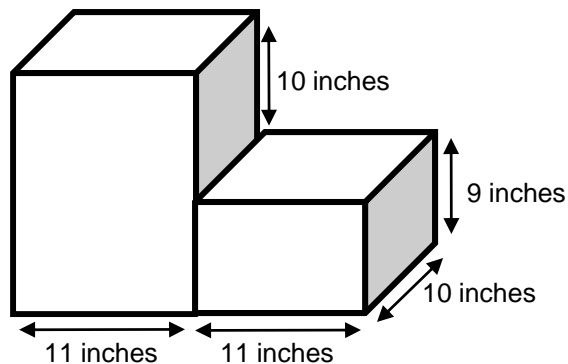
Answer: [   ] _____

NAME_____   DATE_____

1. Jenelle has a piece of wire that is 0.30 feet long. She needs a piece 2.5 times that length to hang a painting.

   What length of wire does she need?

   Ⓐ 0.075 feet   Ⓒ 7.5 feet

   Ⓑ 0.75 feet   Ⓓ 75 feet   Ⓔ 750 feet

2. What is the value of the expression below?

$$7 + \{[3^2 + (25 - 5 \times 2)] \div 3\}$$

   Answer: ⬚

3. Robin mixed $1\frac{3}{4}$ cup of milk and $\frac{1}{2}$ cup of cream. She used $1\frac{1}{8}$ cup of the mixture to make pancakes. How much of the mixture remained?

   Ⓐ $3\frac{3}{8}$ cups   Ⓑ $1\frac{1}{4}$ cups   Ⓒ $1\frac{1}{2}$ cups   Ⓓ $1\frac{1}{8}$ cups   Ⓔ $\frac{2}{3}$ cup

4. Ricardo set a timer to record how long it took for him to solve a puzzle. It took him 300 seconds to solve. How many minutes is 300 seconds?

   Answer: ⬚ minute(s)

5. Carmen prepared a 2-pound bag of french-fries for 4 people to share equally.

   How many pounds of fries will each person receive? Mark all that apply.

   Ⓐ $\frac{4}{2}$ Ⓑ $\frac{2}{4}$ Ⓒ 2   Ⓓ $\frac{1}{2}$ Ⓔ $\frac{1}{4}$

NAME_____ DATE_____

1. Which expression shows $(3 \times 100) + (5 \times 10) + (5 \times \frac{1}{10})$ in standard form? Mark all that apply.

   Ⓐ 355   Ⓒ 350.5

   Ⓑ 355.0   Ⓓ 350.05   Ⓔ 350.50

2. What is the value of the expression below?

   $$10 \times \{[4^2 + (36 - 6 \times 3)] \div 2\}$$

   Answer: [ ]

3. Sharon runs on a trail that is $8\frac{1}{2}$ miles long. She ran $\frac{1}{3}$ of the trail and walked the rest of the way. How far did she run?

   Ⓐ 4 miles   Ⓑ $2\frac{5}{6}$ miles   Ⓒ $2\frac{1}{3}$ miles   Ⓓ $1\frac{3}{4}$ miles   Ⓔ $1\frac{1}{3}$ miles

4. Marcus dug a rectangular space in his yard to place a post. The space was 3 feet wide, 4 feet long, and 3 feet deep.

   What was the volume of the space? Use appropriate unit of measure. Show your work.

   Answer: [ ] _____

5. Which statement is FALSE? Mark all that apply.

   Ⓐ A square is a rhombus.

   Ⓑ A square is a rectangle.

   Ⓒ A square is a parallelogram.

   Ⓓ A rhombus is a square.

   Ⓔ A square is a quadrilateral.

NAME_____   DATE_____

1. Which statement is true about $\frac{2}{9}$ × 18? Mark all that apply.

   Ⓐ The product is greater than 1.   Ⓒ The product is greater than $\frac{2}{9}$.

   Ⓑ The product is greater than each factor.   Ⓓ The product is greater than 18.

                                                 Ⓔ The product is greater than 9.

2. What is the value of the expression below?
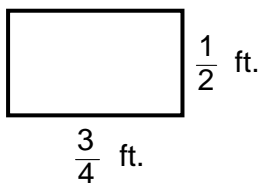
$$2 \times \{[5^2 + (49 - 9 \times 2)] + 4\}$$

Answer:

3. What is the difference between 30.1 and 16.35?

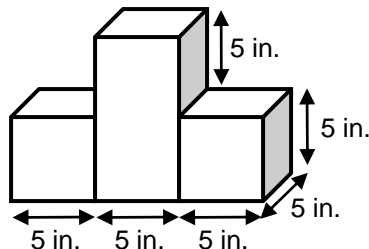   Ⓐ 16.34   Ⓑ 16.25   Ⓒ 13.75   Ⓓ 13.25   Ⓔ 12.1

4. Find the area of the rectangle below. Show your work.

$\frac{1}{2}$ ft.

$\frac{3}{4}$ ft.

   Ⓐ $\frac{3}{8}$ ft.   Ⓑ $\frac{3}{8}$ ft.^{2} Ⓒ $\frac{3}{4}$ ft.   Ⓓ $\frac{3}{4}$ ft.^{2} Ⓔ $\frac{1}{4}$ ft.^{3}

5. Find the volume of the figure below.
Use the appropriate unit of measure. Show your work.

5 in.

5 in.

5 in.

5 in.   5 in.   5 in.

Answer: _____