# Math
# Spring 2021
# Grade 5
# Released Items

**1.** **M500539**

Based on its properties, how can a rectangle always be classified?

Select the **two** correct answers.

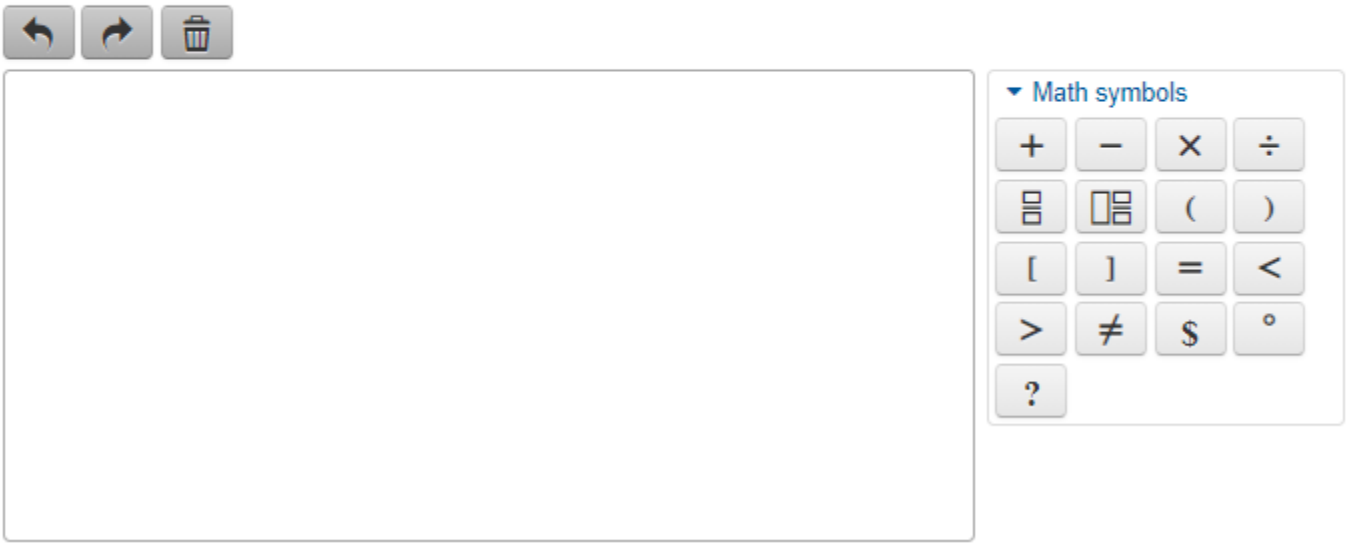
- [ ] A. as a parallelogram
- [ ] B. as a pentagon
- [ ] C. as a quadrilateral
- [ ] D. as a rhombus
- [ ] E. as a square

**2.** **M500012**

There are 12 pounds of dirt to be shared equally among 8 flowerpots.

- How many pounds of dirt should go in each flowerpot?
- Explain your answer.
- Explain how to use a multiplication equation to check your answer.

Enter your answer and your explanations in the space provided.



**3.** **M500459**

Which expression has the same value as "subtract 9 from 15, and then divide by 3"?

- A. $9 - 15 \div 3$
- B. $15 - 9 \div 3$
- C. $(9 - 15) \div 3$
- D. $(15 - 9) \div 3$

**4.** **M500028PD**

The list shows the amount of each item needed in a fruit salad recipe. The recipe makes 5 servings.

- sugar: $\frac{4}{8}$ cup of brown sugar
- juice: $\frac{3}{8}$ cup of lemon juice, $\frac{2}{8}$ cup of orange juice
- fruit: $\frac{3}{8}$ cup of blueberries, 1 cup of grapes, $\frac{7}{8}$ cup of pineapple, $1\frac{1}{8}$ cups of strawberries

**Part A**

Which expressions are equivalent to the total number of cups of pineapple and blueberries in the fruit salad recipe?

Select the **two** correct expressions.

- ☐ A. $\frac{1}{8} + \frac{1}{8} + \frac{8}{8}$
- ☐ B. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
- ☐ C. $\frac{3}{8} + \frac{3}{8} + \frac{3}{8} + 1$
- ☐ D. $\frac{1}{8} \times 4$
- ☐ E. $\frac{1}{8} \times 8$
- ☐ F. $\frac{1}{8} \times 10$

**Part B**

What is the total number of cups of juice needed to make the recipe for 20 servings?

- ○ A. $1\frac{1}{4}$
- ○ B. $2\frac{1}{2}$
- ○ C. $6\frac{1}{4}$
- ○ D. $12\frac{1}{2}$

## 4. (Continued from previous page) M500028PD

### Part C

Joey wants to make enough fruit salad for 30 servings.

- How should Joey adjust the recipe to find the total amounts of sugar, juice, and fruit needed for 30 servings? Explain your answer.
- What is the total amount of sugar, the total amount of juice, and the total amount of fruit needed for 30 servings? Show your work.

Enter your answers, your explanation, and your work in the space provided. You may use the drawing box to add a drawing to help explain your answer and support your explanations.

Math symbols

+ − × ÷ ( ) [ ] = < > ≠ $ ° ?

**Drawing Box**

**5.** **M01530**

Which expressions have a value of $6\frac{1}{4}$?

Select the **two** correct answers.

- [ ] A. $6 \times \frac{25}{100}$
- [ ] B. $9 \times \frac{2}{12}$
- [ ] C. $10 \times \frac{5}{8}$
- [ ] D. $22 \times \frac{3}{4}$
- [ ] E. $25 \times \frac{3}{12}$

A trail is 12 miles long. There is a bench located every $\frac{1}{3}$ mile.

How many benches are located on the trail?

- ○ A. 4
- ○ B. 9
- ○ C. 24
- ○ D. 36

**7.** **M500350**

What is the total number of milliliters in 0.7 liter?

Enter your answer in the box.

**8.** **VH095272**

Which statement is correct?

- A. Every rhombus has 4 right angles. Every square has 4 right angles. Therefore, every square is also a rhombus.
- B. Every rectangle has 4 right angles. Every rhombus has 4 right angles. Therefore, every rhombus is also a rectangle.
- C. Every rhombus has 4 sides of equal length. Every square has 4 sides of equal length. Therefore, every square is also a rhombus.
- D. Every square has 4 sides of equal length. Every rectangle has 4 sides of equal length. Therefore, every rectangle is also a square.

**9.** **M500496**

Which number, when rounded to the nearest tenth, has a 6 in the tenths place?

- A. 52.55
- B. 53.46
- C. 54.516
- D. 55.671

**10.** **M500544**

### Part A

One wall in a classroom has a length of 21 feet. What is the length, in yards, of the wall?

Enter your answer in the box.

### Part B

Another wall in the classroom has a length of 9 yards. There are 2 tables against the wall. Each table has a length of 6 feet. What is the length, in yards, of the section of the wall that does **not** have a table against it?

Enter your answer in the box.