GA Gr. 5 EOG Math Practice Test 2 - Question Set | 55 Questions | 58 Points

1

Tamika bought an apple for $0.25 and a sandwich for $2.50. She paid with a $5 bill. Which expression can be used to find how much change Tamika received?

- A. $5.00 − ($0.25 + $2.50)
- B. $5.00 + ($2.50 − $0.25)
- C. ($0.25 + $2.50) − $5.00
- D. ($0.25 + $2.50) + $5.00

Item #42612

2

Marcia has 12 marbles. Her sister has 100 times as many marbles. How many marbles does Marcia's sister have?

- A. 12
- B. 120
- C. 1,200
- D. 12,000

Item #15698

3

4 7/15 – 5/6 =

- A. 3 1/30
- B. 3 19/30
- C. 4 2/9
- D. 4 19/30

Item #118512

4

The Empire State Building is about 400 meters tall. Louisa is making a scale model that is $\frac{1}{80}$ the size of the real building. How many centimeters tall will Louisa's model be?

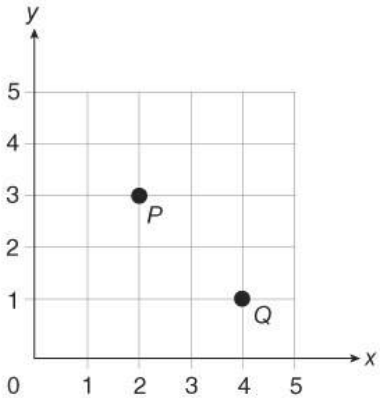
- A. 120 cm
- B. 320 cm
- C. 500 cm
- D. 840 cm

Item #41884

5

Which graph shows the points *P* (2, 3) and *Q* (4, 1)?

A.



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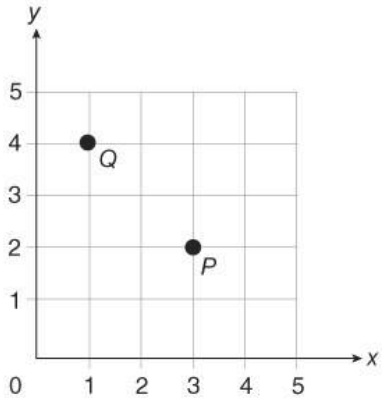

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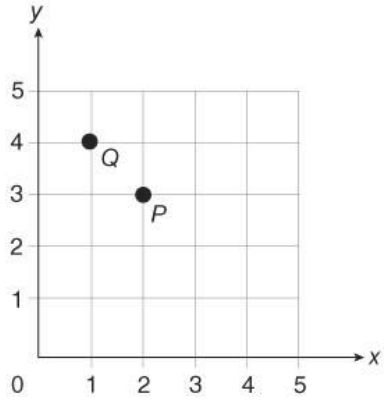

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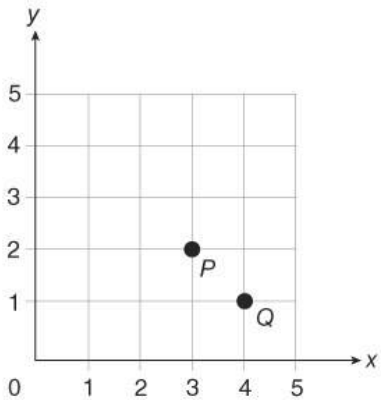


Item #69877

6

Tory and her class are collecting signatures on a petition. Every student collects $\frac{10}{3}$ pages of signatures in a week. There are 7 students in her class. How many pages of signatures did they collect in all?

A. $\frac{10}{21}$

B. $\frac{30}{7}$

C. $\frac{70}{3}$

D. $\frac{73}{2}$

Item #112431

7

Round 14,978 to the nearest hundred.

- A. 14,900
- B. 15,000
- C. 15,100
- D. 15,200

Item #36207

8

An art teacher has 8 pounds of modeling clay. She must divide it equally among 18 students. How many pounds will each student receive?

- A. $\frac{4}{9}$
- B. $2\frac{1}{4}$
- C. 10
- D. 144

Item #14437

9

A chemist is testing new drink flavors for a food company. He has containers with the following amounts of liquid in them:

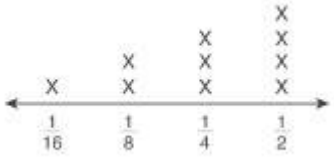
$\frac{1}{4}$L $\frac{1}{4}$L $\frac{1}{2}$L $\frac{1}{8}$L $\frac{1}{2}$L $\frac{1}{16}$L $\frac{1}{4}$L $\frac{1}{4}$L $\frac{1}{8}$L

Which line plot describes the chemist's data?

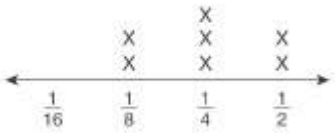
A.

B.

C.



D.



Item #20487

10

What do a square, a rhombus, and a trapezoid have in common?

- A. Each has four equal sides.
- B. Each has four sides.
- C. Each has four right angles.
- D. Each has two pairs of parallel sides.

Item #15526

11

Karen has 543 pictures in each of her 11 photo albums. How many pictures does she have in all?

- A. 973
- B. 1,086
- C. 4,973
- D. 5,973

Item #13887

12

A study found that $\frac{2}{3}$ of the students surveyed are in a school sport or club. What must be true about the number of students in a school sport or club?

- A. It is equal to the number of students surveyed.
- B. It is twice as large as the number of students surveyed.
- C. It is less than the number of students surveyed.
- D. It is three times the number of students surveyed.

Item #156584

13

Bruno built a wooden box that has a length of 6 feet, a width of 4 feet, and a height of 2 feet. Which of the following shows the volume of the box?

- A. 6 + 4 + 2
- B. 6 × 4 × 2
- C. 2 × (6 × 4) + 2 × (4 × 2) + 2 × (2 × 6)
- D. 12 × 12 × 12

Item #591

14

What is the quotient?

$$285 \div 19$$

- A. 14
- B. 15
- C. 266
- D. 304

Item #23022

15

What is the value of $5 \div \frac{7}{2}$?

- A. $\frac{10}{7}$
- B. $\frac{14}{5}$
- C. $\frac{35}{2}$
- D. $\frac{57}{2}$

Item #26583

16

Which expression has the greatest value?

- A. $3 \times 6 + 5 - (2 + 4)$
- B. $3 \times 6 + 5 - 2 + 4$
- C. $3 \times 6 + (5 - 2 + 4)$
- D. $3 \times (6 + 5) - 2 + 4$

Item #17419

17

What is the value of the expression below?

$7 \times 10^5 + 3 \times 10^3 + 1 \times 10^2 + 4 \times 10^1$

- A. 70,314
- B. 73,140
- C. 703,140
- D. 730,014

Item #20793

18

Raj walks $\frac{5}{6}$ of a mile on Monday. He walks $\frac{3}{8}$ of a mile on Wednesday. Raj wants to know about how much farther he walked on Monday than on Wednesday. Which is a reasonable estimate?

- A. $\frac{1}{2} - \frac{1}{2} = 0$ miles
- B. $1 - 1 = 0$ miles
- C. $1 - \frac{1}{2} = \frac{1}{2}$ mile
- D. $1 - 0 = 1$ mile

Item #146651

19

Justin's milk glass holds 1 cup of liquid. He has 6 ounces of milk left in the glass. Which fraction represents the amount of milk left in the glass?

- A. 4/3 cup
- B. 3/4 cup
- C. 3/5 cup
- D. 3/8 cup

Item #11049

20

Samantha plotted 3 points on a grid: (0, 1), (1, 3), and (2, 5). Which of the following points is on the same straight line as the points Samantha plotted?

- A. (0, 0)
- B. (6, 0)
- C. (5, 11)
- D. (3, 3)

Item #5161

21

Paula wrote two number patterns. Pattern 1 follows the rule “add 3” and Pattern 2 follows the rule “subtract 5.” Which pair of patterns could be Paula’s?

- A. Pattern 1: 4, 7, 10, 13, 16, …
  Pattern 2: 45, 35, 25, 15, 5, …
- B. Pattern 1: 5, 8, 11, 14, 17, …
  Pattern 2: 27, 22, 17, 12, 7, …
- C. Pattern 1: 7, 11, 15, 19, 23, …
  Pattern 2: 31, 26, 21, 16, 11, …
- D. Pattern 1: 16, 13, 10, 7, 4, …
  Pattern 2: 8, 13, 18, 23, 28, …

Item #42203

22

Which number is one hundred twenty-two and five hundredths?

- A. 12.25
- B. 122.05
- C. 122.5
- D. 125.2

Item #59970

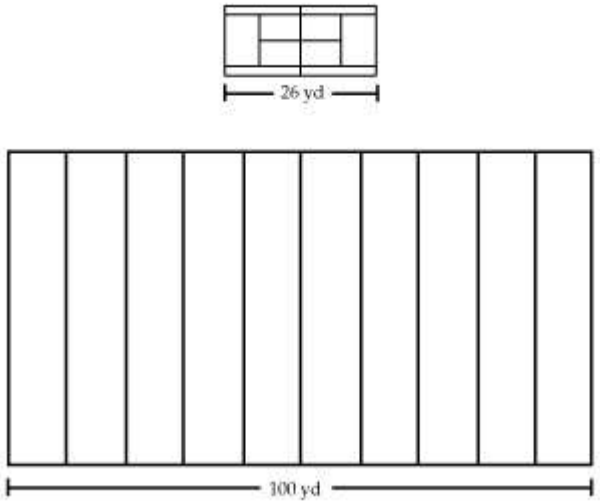
23

How many pieces that are $\frac{3}{4}$ inch long can be cut from a rod that is 12 inches long?

- A. 9
- B. 16
- C. 36
- D. 48

Item #44663

24



A football field is a rectangle that is 100 yards long. A tennis court is a rectangle that is 26 yards long. How many **feet** longer than a tennis court is a football field?

- A. 22 feet
- B. 74 feet
- C. 222 feet
- D. 274 feet

Item #4505

25

Cameron drew a quadrilateral. Each angle in his quadrilateral was congruent to its opposite angle. Which of these could **not** be the name of Cameron's quadrilateral?

A. parallelogram

B. rectangle

C. rhombus

D. trapezoid

Item #79875

26

What is the missing number?

$$\begin{array}{r} 67 \\ \times\ 48 \\ \hline 536 \\ +\ \boxed{\ ?\ } \\ \hline 3216 \end{array}$$

- A. 268
- B. 1,150
- C. 2,680
- D. 3,320

Item #33359

27

The length of a rectangle is 9 feet and the width is 4 feet. How will the area of the rectangle change if the width is doubled?

A. The area will stay the same.

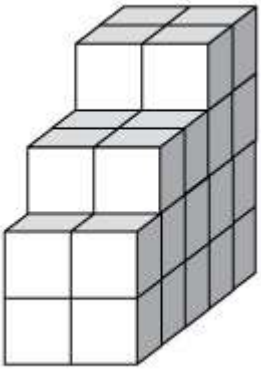
B. The area will decrease by $\frac{1}{2}$.

C. The area will increase by 2 times.

D. The area will increase by 4 times.

Item #147076

28



This figure is made up of cubes that measure 1 cm × 1 cm × 1 cm. What is the volume of the figure?

- A. $4\ cm^3$
- B. $12\ cm^3$
- C. $32\ cm^3$
- D. $40\ cm^3$

Item #38135

29

A cube has a volume of 1 cm^3. What is the length of each side of the cube?

- A. 1/2 cm
- B. 1 cm
- C. 1 1/2 cm
- D. 2 cm

Item #85394

30

Which of the following should you do first to solve for *x*?
$10 - (4 \times 3) + 8 \div 2 = x$

- A. $10 - 4$
- B. 4×3
- C. $3 + 8$
- D. $8 \div 2$

Item #68343

31

The number below is in expanded form.
$(6 \times 100) + (2 \times 10) + (8 \times 1) + (3 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (2 \times \frac{1}{1,000})$

Which is the number in standard form?

A. 628,342

B. 62,834.2

C. 6,283.42

D. 628.342

Item #36749

32

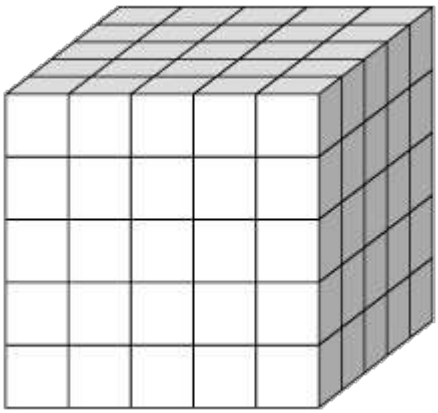
$$\frac{5}{6} + \frac{5}{8} + \frac{5}{12}$$

Evaluate.

- A. 1 7/8
- B. 1 2/3
- C. 1 1/24
- D. 7/8

Item #2485

33



The model above is made with 1-in. cubes. What is the volume of the model in cubic inches if the top three layers are removed?

A. 25

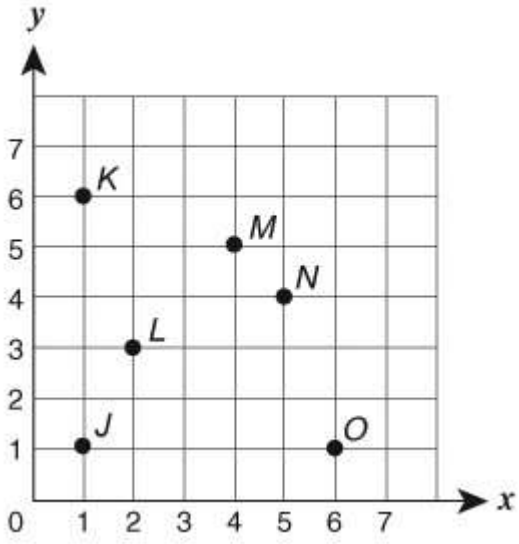
B. 50

C. 75

D. 125

Item #6558

34



Which point is located at (1, 6)?

A. Point *J*

B. Point *K*

C. Point *M*

D. Point *O*

Item #15125

35

Scott is 2 years less than twice Jenny's age. If j represents Jenny's age, which expression can be used to find Scott's age?

- A. $j - 2$
- B. $2j + 2$
- C. $2j - 2$
- D. $2j$

Item #22800

36

In the numbers below, the digit 4 represents different values.
4,620 462

The digit 4 in 462 is

- A. $\frac{1}{4}$ the value of the 4 in 4,620.
- B. $\frac{1}{10}$ the value of the 4 in 4,620.
- C. 4 times the value of the 4 in 4,620.
- D. 10 times the value of the 4 in 4,620.

Item #6174

37

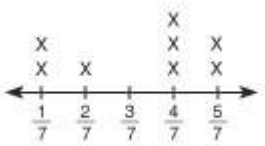
Ella cut a birthday cake into pieces to serve to her friends and family. She gave $\frac{1}{4}$ of the cake to her friends and $\frac{1}{3}$ of the cake to her family. How much of the cake is left over?

- A. $\frac{1}{4}$
- B. $\frac{5}{12}$
- C. $\frac{7}{12}$
- D. $\frac{3}{4}$

Item #152204

38

What data are represented in this line plot?



- A. $\frac{2}{7}, \frac{1}{7}, \frac{4}{7}, \frac{4}{7}, \frac{4}{7}, \frac{2}{7}, \frac{5}{7}, \frac{4}{7}$
- B. $\frac{4}{7}, \frac{4}{7}, \frac{5}{7}, \frac{1}{7}, \frac{1}{7}, \frac{4}{7}, \frac{5}{7}, \frac{5}{7}$
- C. $\frac{1}{7}, \frac{5}{7}, \frac{4}{7}, \frac{4}{7}, \frac{2}{7}, \frac{4}{7}, \frac{3}{7}, \frac{1}{7}$
- D. $\frac{5}{7}, \frac{1}{7}, \frac{4}{7}, \frac{2}{7}, \frac{4}{7}, \frac{1}{7}, \frac{5}{7}, \frac{4}{7}$

Item #83123

39

Which ordered pair shows a point that has an *x* coordinate of 4 and a *y* coordinate of 2?

- A. (2, 4)
- B. (−2, −4)
- C. (−4, −2)
- D. (4, 2)

Item #36428

40

x	y
2	8
8	14
12	18
20	26

Which rule was used to create this function table?

A. $y = x + 6$

B. $x = 3y$

C. $y = 3x$

D. $y = 4x$

Item #10765

41

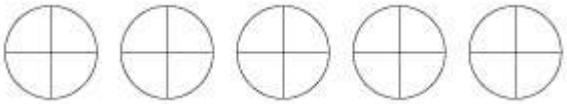
What is 0.9325 rounded to the nearest thousandth?

- A. 0.9
- B. 0.93
- C. 0.932
- D. 0.933

Item #29136

42

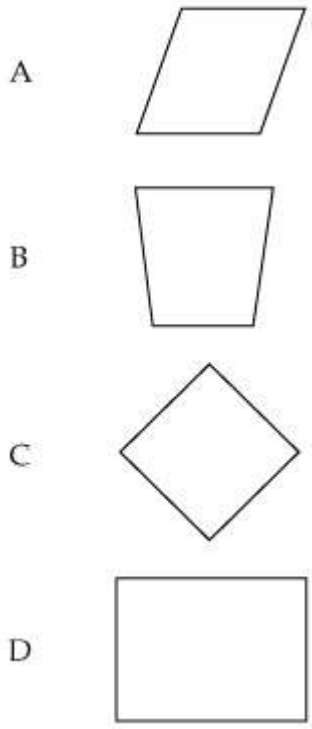
4 friends equally share 5 oranges. Which describes the amount each friend receives?



- A. Less than 1 orange
- B. More than 1 orange
- C. Exactly 1 orange
- D. Exactly 2 oranges

Item #154048

43



A trapezoid is a quadrilateral with exactly one pair of parallel sides. Which is a trapezoid?

- A. Figure A
- B. Figure B
- C. Figure C
- D. Figure D

Item #56118

44

When a number is divided by 3 the quotient is 75. What is the number?

- A. 25
- B. 72
- C. 150
- D. 225

Item #146505

45

There are no more than 25 students in each homeroom at Parker Middle School. There are 997 students enrolled in the school. What is the least number of homerooms that Parker School can have?

- A. 40
- B. 39 R22
- C. 39
- D. 22

Item #16463

46

Determine the result of the following equation.

$\frac{9}{2} \div 11 =$ _____

- A. $\frac{2}{99}$
- B. $\frac{9}{22}$
- C. $\frac{22}{9}$
- D. $\frac{99}{2}$

Item #29143

47

There was $\frac{4}{5}$ gallon of gas in the tank of Larry's lawn mower. He used up $\frac{1}{4}$ of the gas to mow his mother's lawn. What fraction of a gallon of gas did Larry use to mow his mother's lawn?

- A. $\frac{1}{5}$
- B. $\frac{1}{3}$
- C. $\frac{11}{20}$
- D. $\frac{3}{5}$

Item #48333

48

In the numbers below, the digit 8 represents different values.
3,810 381

The value of 8 in 3,810 is

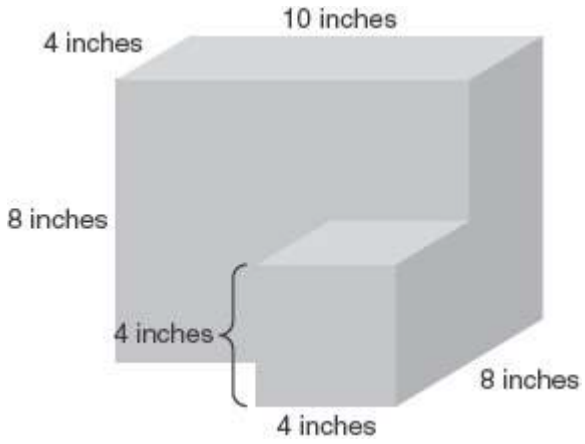
- A. $\frac{1}{8}$ the value of the 8 in 381.
- B. $\frac{1}{10}$ the value of the 8 in 381.
- C. 8 times the value of the 8 in 381.
- D. 10 times the value of the 8 in 381.

Item #112335

Grouped Item:
Q49

49 Part A

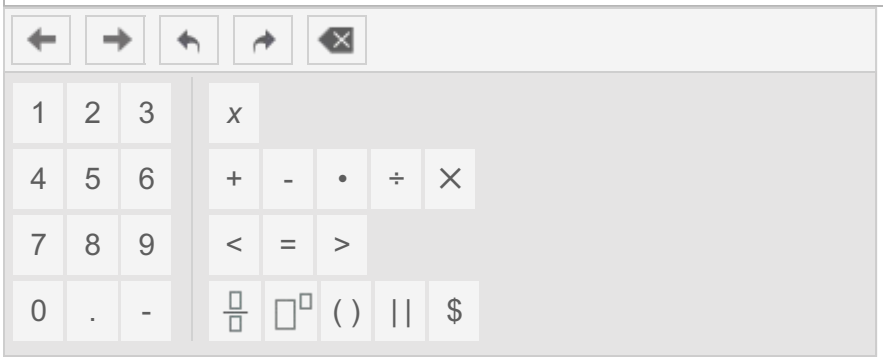
Ms. McGregor likes to garden. She plans to plant herbs in a container with the shape shown.



How much dirt, in cubic inches, will the container hold?

Enter your answer in the box. Use number(s) only.

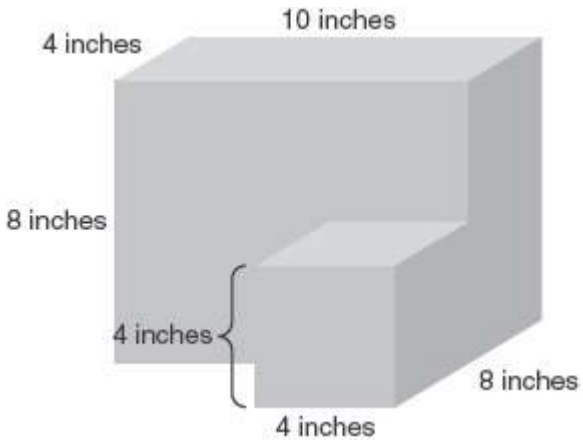
cubic inches



Item #59039

49 Part B

Ms. McGregor likes to garden. She plans to plant herbs in a container with the shape shown.



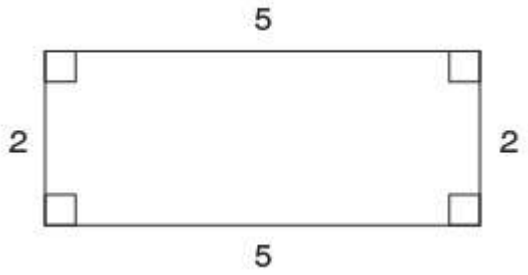
Ms. McGregor wants to buy a container that will hold more than 425 cubic inches of dirt. Which container should she buy?

- A. A container that is 8 inches wide, 8 inches long, and 6 inches high
- B. A container that is 10 inches wide, 10 inches long, and 4 inches high
- C. A container that is 8 inches wide, 12 inches long, and 5 inches high
- D. A container that is 9 inches wide, 9 inches long, and 5 inches high

Item #54477

50

Eli and Harper both classified the shape below.



Eli said it's a rhombus, and Harper said it's a quadrilateral. Is either of them right? Explain.

Item #5533

51

Beth says that 8.4 × 9.5 = 79.8. Sue says that Beth's answer is **incorrect**. She reasons that 1 tenth × 1 tenth = 1 hundredth, so there should be a non-zero digit in the hundredths place.

Is Sue correct? Explain your thinking.

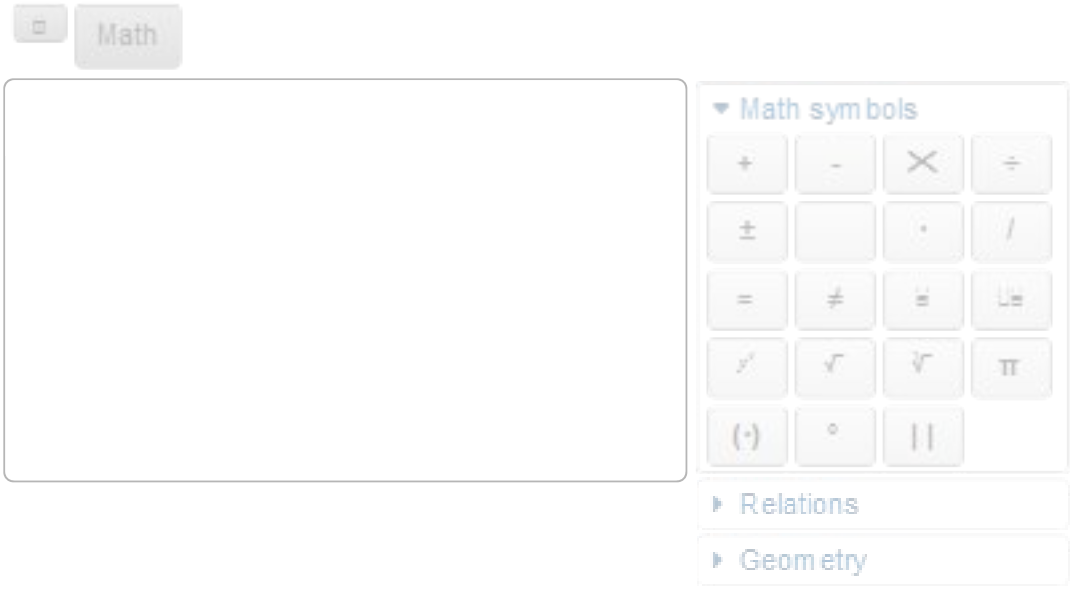
Item #21790

Grouped Item:
Q52

52 Part A

The basketball team is having a car wash for a fundraiser. They plan to use ¾ of a cup of soap to clean each car. They hope to clean 40 cars, but plan to buy enough soap for 50 cars.

Write a mathematical expression that shows how to figure out how much soap they need.

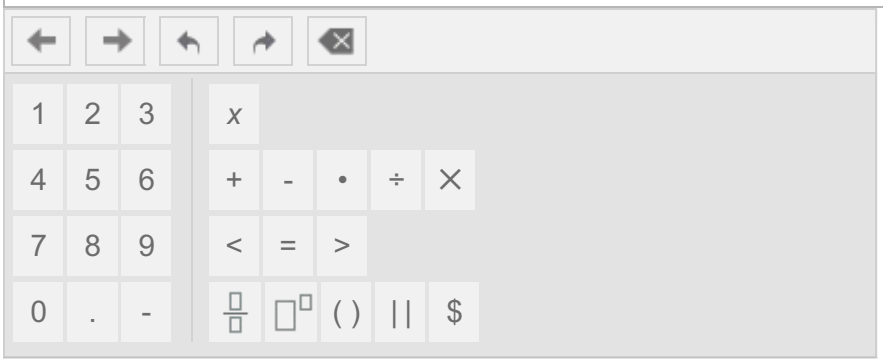


Item #161927

52 Part B

What is the quantity of soap they need?

cups



Item #161928

52 Part C

When the team members actually went to buy the soap, they discovered that the soap they needed was least expensive in containers that held 4 1/2 cups. Would it make sense to buy 12 containers? Explain.

Item #161929