

- 1 There is  $\frac{7}{8}$  of a whole pizza in Anthony's refrigerator. He eats  $\frac{3}{8}$  of the whole pizza for lunch. What fraction of the whole pizza is left after Anthony eats pizza for lunch?

- A  $\frac{10}{8}$
- B  $\frac{5}{8}$
- C  $\frac{4}{8}$
- D  $\frac{3}{8}$

- 2 What number represents ninety-nine thousandths?

- A 0.099
- B 0.990
- C 9.900
- D 99.000

- 3 A shipping box in the shape of a right rectangular prism has a base with an area of 16 square feet and a height of 6 feet. What is the volume, in cubic feet, of the box?

- A 22
- B 96
- C 192
- D 1,536

**GO ON**

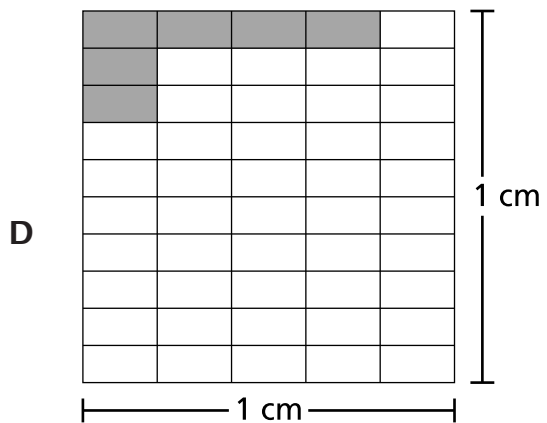
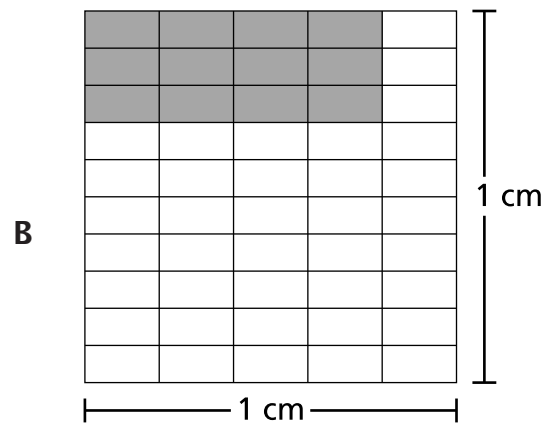
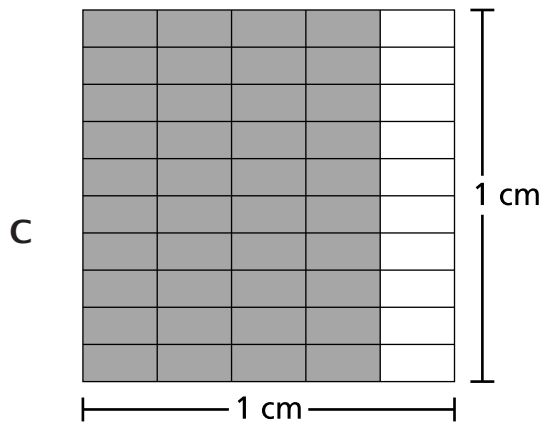
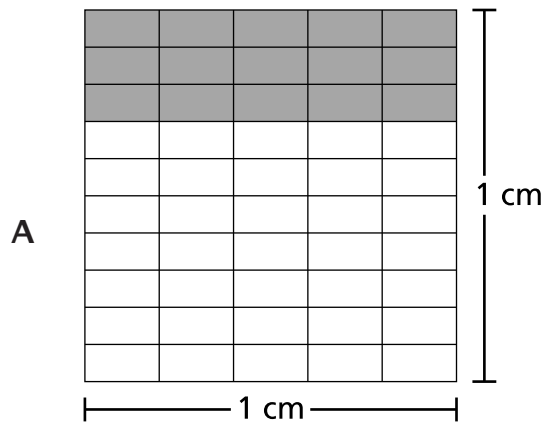
**8** What number has the same value as  $32 \times 10^4$  ?

- A** 3.2
- B** 320
- C** 0.0032
- D** 320,000

***GO ON***

9

Which model is shaded to represent the area of a rectangle that is  $\frac{4}{5}$  centimeter long and  $\frac{3}{10}$  centimeter wide?



**10**

A mall parking lot has 2,232 parking spaces. There are 24 parking spaces in each row. How many rows are in the parking lot?

**A** 89

**B** 93

**C** 94

**D** 97

**11**

A teacher has 20 feet of string to use for a class project. She uses all of the string and gives an equal amount to 8 students. How much string, in feet, will each student get?

**A**  $2\frac{1}{5}$

**B**  $2\frac{3}{10}$

**C**  $2\frac{1}{2}$

**D**  $2\frac{3}{4}$

**GO ON**

14

What digit will be in the tens place after 8,642 is divided by 10 ?

A 2

B 4

C 6

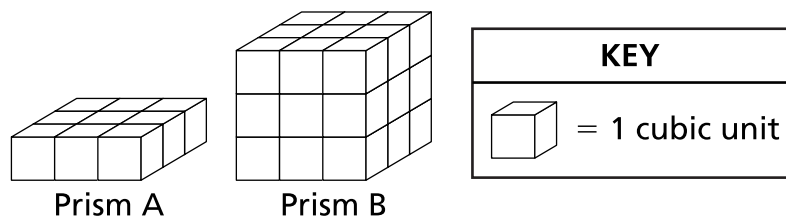
D 8

**GO ON**

- 17 Which expression has a value less than  $1\frac{1}{2}$ ?

- A  $1\frac{1}{2} \times \frac{3}{2}$   
B  $1\frac{1}{2} \times \frac{1}{2}$   
C  $1\frac{1}{2} \times 2$   
D  $1\frac{1}{2} \times 1$

- 18 A diagram of two right rectangular prisms, each made with unit cubes, is shown below.



What is the total volume, in cubic units, of Prism A and Prism B?

- A 9  
B 18  
C 27  
D 36

**20**

The total snowfall for a town from Friday through Sunday was 34 inches.

- On Friday, the snowfall was 11.25 inches.
- On Saturday, the snowfall was 9.9 inches.

How many inches of snow fell on Sunday?

- A** 12.85
- B** 13.15
- C** 20.34
- D** 21.15

**21**

Dorian walks at an average speed of  $2\frac{1}{2}$  miles per hour. He walks for  $\frac{3}{4}$  hour. How many miles does he walk?

- A**  $1\frac{3}{4}$
- B**  $1\frac{7}{8}$
- C**  $2\frac{3}{8}$
- D**  $3\frac{1}{4}$

**GO ON**

26

Ms. Roman buys 3.5 pounds of birdseed. She pays \$4.28 per pound. How much did Ms. Roman pay for all of the birdseed?

- A \$4.28
- B \$7.78
- C \$12.84
- D \$14.98

**GO ON**



**29**

A store sells packages of black pens, blue pens, and red pens.

- $\frac{4}{9}$  of the packages are black pens
- $\frac{1}{6}$  of the packages are blue pens

What fraction of the packages are red pens?

**A**  $\frac{5}{15}$

**B**  $\frac{7}{18}$

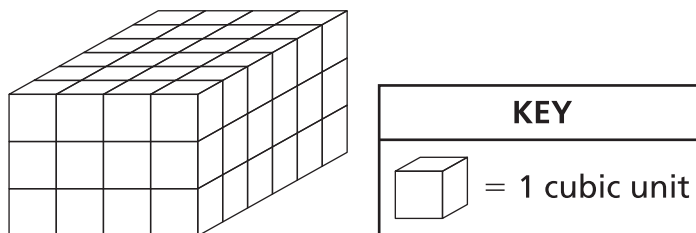
**C**  $\frac{10}{15}$

**D**  $\frac{11}{18}$

**STOP**

31

A diagram of a right rectangular prism made of unit cubes is shown below.



What is the volume, in cubic units, of the right rectangular prism?

- A 13
- B 24
- C 60
- D 72

32

There are 210 apples placed equally into 14 boxes. How many apples are in each box?

- A 12
- B 14
- C 15
- D 21

**GO ON**

- 33** Diane walks  $3\frac{3}{8}$  miles on Saturday. She walks  $1\frac{5}{6}$  fewer miles on Sunday than she does on Saturday. How many miles does Diane walk on Sunday?

- A  $1\frac{13}{24}$
- B  $2\frac{11}{24}$
- C  $2\frac{13}{24}$
- D  $5\frac{5}{24}$

- 34** Which statement about a rhombus and a square is always true?

- A Both shapes are parallelograms that have four equal sides.
- B Both shapes are parallelograms that have four right angles.
- C Both shapes are quadrilaterals with exactly two acute angles.
- D Both shapes are quadrilaterals with exactly one pair of parallel sides.

- 35** A cook in a restaurant has 13 gallons of milk. How much milk, in quarts, does the cook have?

- A 17
- B 26
- C 42
- D 52

**36**

**This question is worth 1 credit.**

The heights, in inches, of four towers made from toothpicks are shown below.

- 33.1
- 33.2
- 29.3
- 33.3

Write a number sentence comparing the heights, in inches, of the two tallest towers. Be sure to include the symbol  $>$ ,  $<$ , or  $=$  in your answer.

*Answer* \_\_\_\_\_

**GO ON**

37

This question is worth 1 credit.

Andre is using a 15-foot piece of ribbon for an art project. He cuts the ribbon into equal-sized pieces  $\frac{1}{3}$  foot in length. Using all of the ribbon, how many pieces of ribbon does Andre cut?

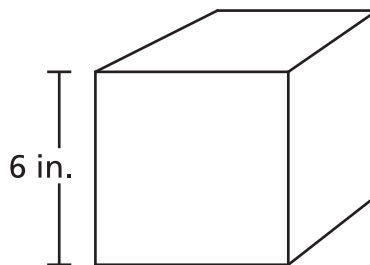
*Answer* \_\_\_\_\_ pieces

**GO ON**

38

This question is worth 1 credit.

What is the volume, in cubic inches, of the cube shown in the diagram below?



*Answer* \_\_\_\_\_ cubic inches

**GO ON**

39

This question is worth 2 credits.

Josiah makes a total of 195 ounces of lemonade. He pours the lemonade into 16-ounce bottles until each bottle is full. What is the greatest number of bottles Josiah can fill completely with the lemonade?

*Show your work.*

*Answer* \_\_\_\_\_ bottles

**GO ON**

**40**

**This question is worth 2 credits.**

A multiplication problem is shown below.

$$42 \times \frac{5}{8}$$

A student claims that the product will be greater than 42. Is the student's claim correct? Explain without calculating the product.

***Explain how you know your answer is correct.***

---

---

---

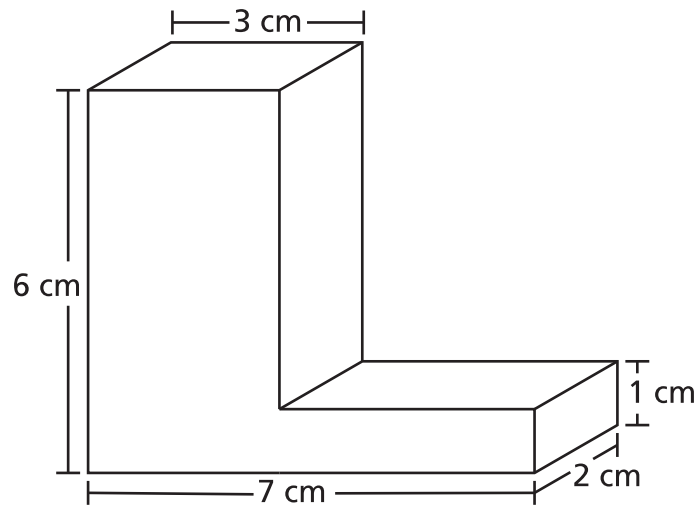
***GO ON***



41

This question is worth 2 credits.

A diagram of a 3-dimensional figure is shown below.



What is the volume, in cubic centimeters, of the figure?

*Show your work.*

*Answer* \_\_\_\_\_ cubic centimeters

**GO ON**

This question is worth 2 credits.

A student writes 67.203 in expanded form as shown below.

$$(6 \times 10) + (7 \times 1) + \left(2 \times \frac{1}{10}\right) + \left(3 \times \frac{1}{100}\right)$$

The student made an error. Where did the student make an error? As part of your answer, write the number in the correct expanded form.

***Explain your answer.***

---

---

---

***GO ON***

**43**

This question is worth 2 credits.

Adam opens a  $\frac{1}{2}$ -pound can of tuna. He uses all the tuna to feed his cats. He puts an equal amount of tuna in 4 containers for his cats. How much tuna, in pounds, is in each container?

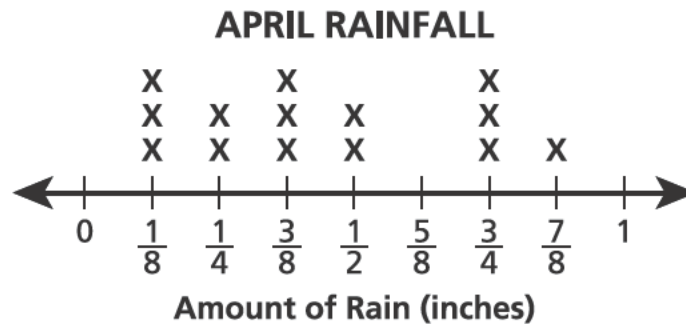
*Show your work.*

*Answer* \_\_\_\_\_ pound(s)

**GO ON**

This question is worth 3 credits.

The line plot below shows the recorded amount of rain that fell in a city during the month of April.



What was the total amount of rain, in inches, recorded in April?

*Show your work.*

*Answer* \_\_\_\_\_ inches

The total amount of rain that fell in the city during the month of August was  $8\frac{1}{4}$  inches.

What was the difference in total rainfall, in inches, between August and April?

*Show your work.*

*Answer* \_\_\_\_\_ inches

**STOP**