

Math
Spring 2021
Grade 4
Released Items

1.

M400309

A bedroom floor is in the shape of a rectangle. The floor has a length of 10 feet and a width of 11 feet. What is the area, in square feet, of the floor?

Enter your answer in the box.

2.

M400569

A number pattern follows the rule "add 5." The first number in the pattern is 6. What is the seventh number in the pattern?

Enter your answer in the box.

3.

VF490086

What is the remainder when 2,213 is divided by 9?

Enter your answer in the box.

4.

M400665

A theater in a school has rows of chairs. There are 8 chairs in each row.

Part A

On Monday, all the students in the fourth grade and fifth grade are seated in the theater.

- There are 92 fourth-grade students at the school.
- There are 3 more fifth-grade students at the school than fourth-grade students.
- As the students are seated, they fill all the chairs in a row before any chairs in the next row are filled.
- A teacher sees that one row of chairs is not completely filled.

How many students are seated in the row that is not completely full?

- A. 3
- B. 4
- C. 5
- D. 7

Part B

On Tuesday, all the students in the third grade are seated in the theater. To find the number of rows needed, a teacher divides the number of third-grade students by the number of chairs in each row and finds the quotient of 9 R6.

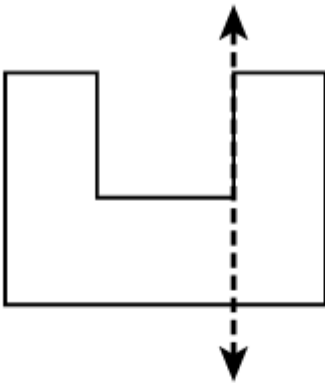
How many third-grade students are seated in the theater?

- A. 62
- B. 66
- C. 72
- D. 78

5.

Which of these shows a correct line of symmetry?

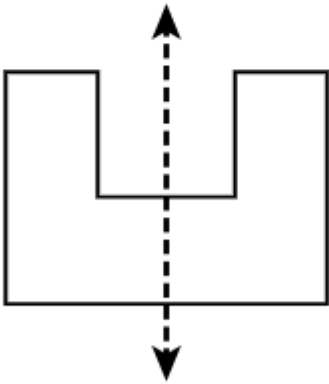
A.



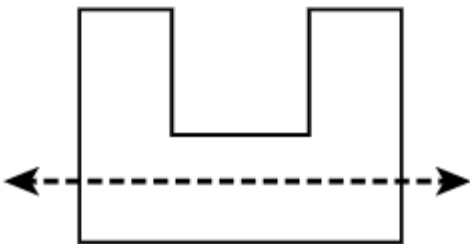
B.



C.



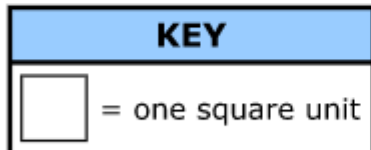
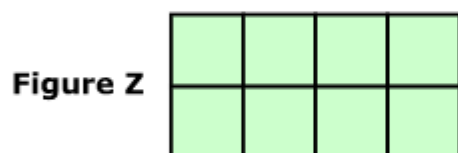
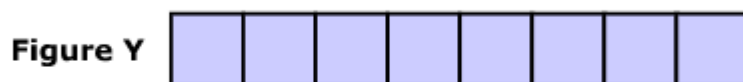
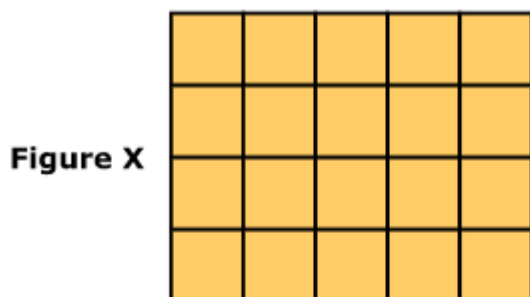
D.



6.

4223-M04140

Students were asked to compare Figure X, Figure Y, and Figure Z.



A student made these statements:

Statement 1: The areas of Figure Y and Figure Z are not equal because both figures have different lengths and different widths.

Statement 2: The area of Figure X is equal to 18 since $5 + 4 + 5 + 4 = 18$ square units.

Both of the student's statements are incorrect.

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6. (Continued from previous page)

4223-M04140

Part A

Explain why Statement 1 is incorrect. Include in your explanation a correct comparison of the area of Figure Y and the area of Figure Z.

Enter your explanation and your comparison in the space provided.



▼ Math symbols

+	-	×	÷
$\frac{\square}{\square}$	$\frac{\square}{\square}$	()
[]	=	<
>	≠	§	°
?			

Part B

Explain why Statement 2 is incorrect. Include in your explanation the correct area of Figure X.

Enter your explanation and your answer in the space provided.



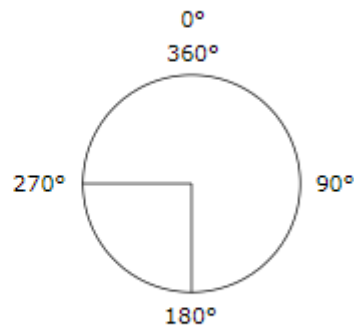
▼ Math symbols

+	-	×	÷
$\frac{\square}{\square}$	$\frac{\square}{\square}$	()
[]	=	<
>	≠	§	°
?			

7.

M00927

Which angle measures are between 180° and 270° of a circle?



Select the **three** correct answers.

- A. 210°
- B. 50°
- C. 75°
- D. 190°
- E. 300°
- F. 265°

8.

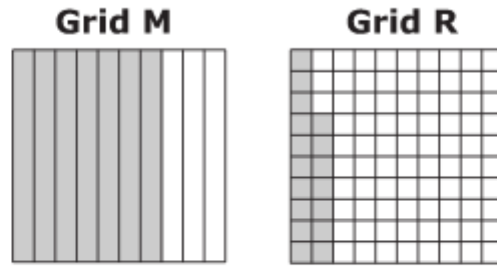
What is $10 \times \frac{7}{10}$?

- A. $\frac{7}{100}$
- B. $\frac{70}{100}$
- C. $\frac{17}{10}$
- D. $\frac{70}{10}$

9.

M400250

Each grid is shaded to represent a value.



- What is an equation using fractions that can be written to show the sum of the values shown in Grid M and in Grid R? Include the sum in your equation.
- What is the decimal value of Grid M?
- Explain how to compare the decimal values of Grid M and Grid R and write a comparison using $>$, $<$, or $=$ in your explanation.

Enter your equation, your answer, and your explanation in the space provided.



Empty text input area for the student's response.

Math symbols menu:

- Math symbols
- +
-
- ×
- ÷
- $\frac{\square}{\square}$
- $\frac{\square}{\square}$
- (
-)
- [
-]
- =
- <
- >
- ≠
- §
- °
- ?

10.

M400260P

This is part of a table that lists equivalent measures between pounds and ounces.

Pounds	Ounces
2	32

Which equivalent measures could also be a part of this table?

Select the **two** correct measures.

A.

Pounds	Ounces
1	8

B.

Pounds	Ounces
3	48

C.

Pounds	Ounces
8	64

D.

Pounds	Ounces
9	108

E.

Pounds	Ounces
10	160

F.

Pounds	Ounces
12	144

11. **400552**

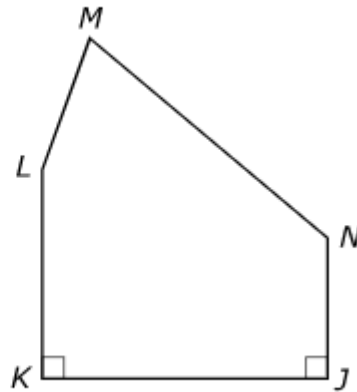
A coach buys 42 bottles of water for the team on Friday. Each bottle contains 16 ounces of water.

How many total ounces of water did the coach buy for the team on Friday?

Enter your answer in the box.

12. **400620**

Which angles in the figure shown appear to be obtuse?



Select the **two** correct angles.

- A. angle *J*
- B. angle *K*
- C. angle *L*
- D. angle *M*
- E. angle *N*