



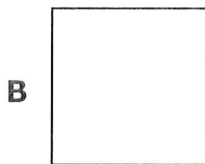
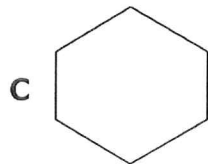
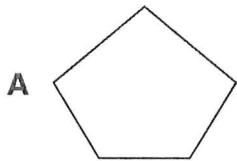
**DIRECTIONS**

Read each question and choose the best answer. Find the question number on the answer sheet that matches the question number on the Mathematics Practice Test. Mark your answer in the Mathematics section of the answer sheet.

The correct answer for Sample A has been filled in on the answer sheet to show how to mark your answers. Mark your answer for Sample B.

Sample A

Which shape below is a square?



Sample B

Marcos taught his brother a number pattern that uses the rule "skip-count by twos." The pattern below shows the first 4 numbers in Marcos's pattern.

1, 3, 5, 7, . . .

What are the next four numbers in Marcos's pattern?

A 2, 4, 6, 8

B 2, 3, 4, 5

C 9, 11, 13, 15

D 9, 10, 11, 12

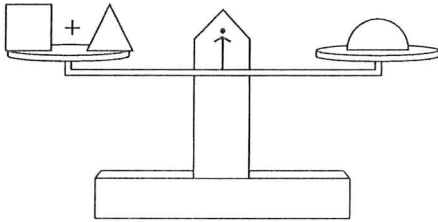


- 1 If  $n$  is the input number, which expression could be used to find the value of the output shown in this table?

Input ( $n$ )	1	2	3	4	5
Output	3	5	7	9	11

- A  $2 \cdot n + 1$
- B  $3 \cdot n$
- C  $4 \cdot n - 1$
- D  $n + 2$

- 2 The scale shown is balanced.

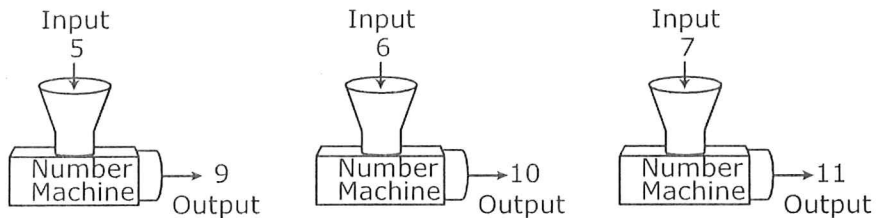


Which sentence must be true?

- A  $\triangle = \text{semicircle} + \square$
- B  $\triangle = \text{semicircle} - \square$
- C  $\triangle = \text{semicircle} \times \square$
- D  $\triangle = \text{semicircle} \div \square$



- 3** This number machine used the same rule each time to find the output numbers shown.



If  $n$  is the input number, which rule could the machine have used to find each output number?

- A  $n + 4$
- B  $n - 4$
- C  $n \cdot 4$
- D  $n \div 4$

- 4** At Mr. Clark's shop, his employees work 20 hours each week and earn \$7 per hour. He uses this expression to find the total weekly payroll for  $n$  employees.

$$7 \cdot (20 \cdot n)$$

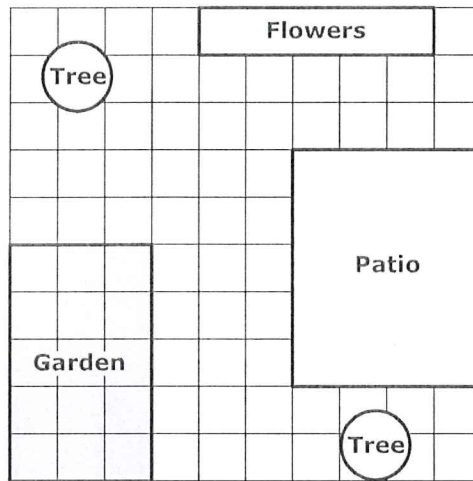
Which is an equivalent expression that can be used to find the total weekly payroll?

- A  $7 \cdot (20 \div n)$
- B  $(7 \cdot 20) \cdot n$
- C  $20 \cdot (n + 7)$
- D  $(n + 20) \cdot 7$



- 5 Thomas made a drawing of his yard on a grid. The shaded squares represent the area for the garden.

Thomas's Yard



Which decimal number is equivalent to the fractional part of Thomas's yard that will become the garden?

- A 0.015
- B 0.15
- C 1.50
- D 15.00



**6** Martin is going to make a cake using the choices shown in the table.

Cake Flavor	Icing Type	Sprinkle Color
chocolate	maple	red
vanilla	white	blue
strawberry	yellow	

How many different cakes can Martin make using one cake flavor, one icing type, and one sprinkle color?

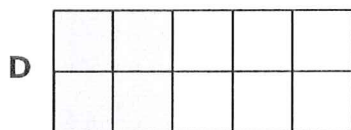
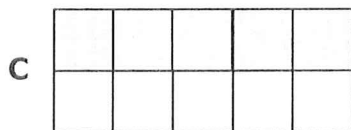
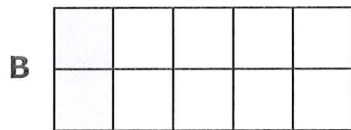
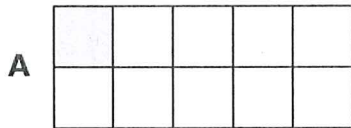
- A 18 different cakes
- B 12 different cakes
- C 8 different cakes
- D 3 different cakes

**7** Maggie had a bag of peanuts that weighed 2.84 pounds. She took some of the peanuts out of the bag. The bag then weighed 1.24 pounds. What was the weight of the peanuts that Maggie took out of the bag?

- A 4.08 pounds
- B 3.60 pounds
- C 1.60 pounds
- D 1.06 pounds



8 Each rectangle pictured represents one whole and is made up of small squares that are all the same size. Which rectangle has  $\frac{1}{5}$  of its area shaded?



9 Kamilah took \$7.75 to her school book fair. She bought 3 posters and 1 book. The prices, including tax, for items sold at the book fair are shown.

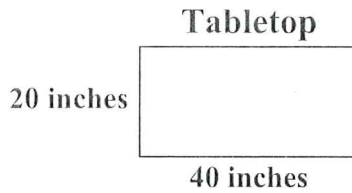
Item	Price
stickers	\$0.25
pencil	\$0.35
poster	\$1.05
gel pen	\$1.60
book	\$3.00

What is the greatest number of pencils Kamilah can buy with the money she has left?

- A 5 pencils
- B 4 pencils
- C 2 pencils
- D 1 pencil



- 10** Kim is using 1-inch-square tiles to cover a rectangular tabletop.



What is the area, in square inches, of the tabletop?

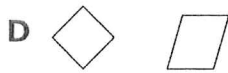
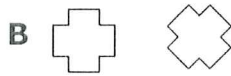
- A** 60 square inches  
**B** 120 square inches  
**C** 400 square inches  
**D** 800 square inches

- 11** Once a year, Patia’s grandfather measures her height. Last year, Patia was  $4\frac{1}{2}$  feet (ft) tall. One year later, she is  $4\frac{3}{4}$  feet tall. How much did Patia grow in that one year?

- A**  $\frac{1}{4}$  ft  
**B**  $\frac{4}{6}$  ft  
**C**  $\frac{4}{12}$  ft  
**D**  $\frac{7}{8}$  ft



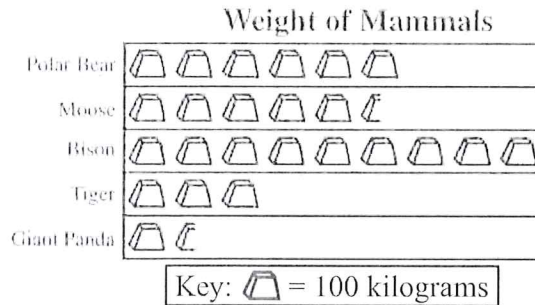
12 Which pair of shapes appears to be congruent?



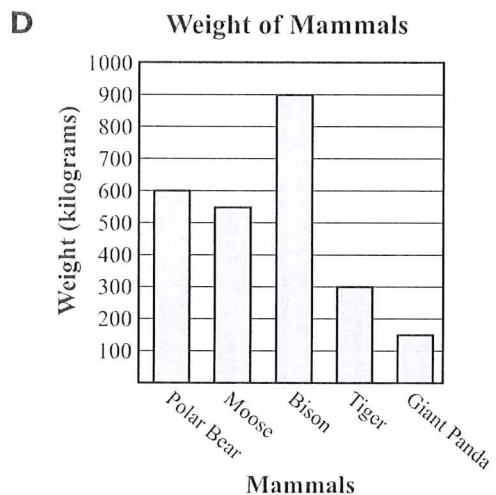
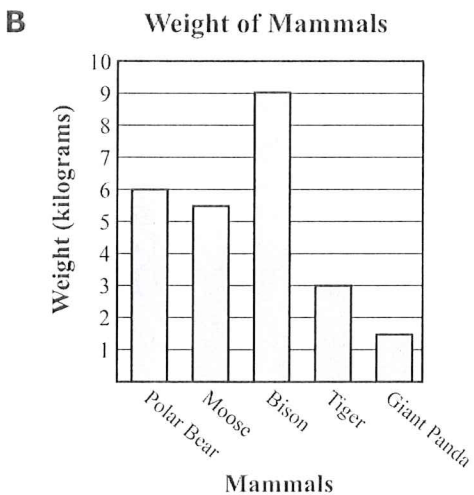
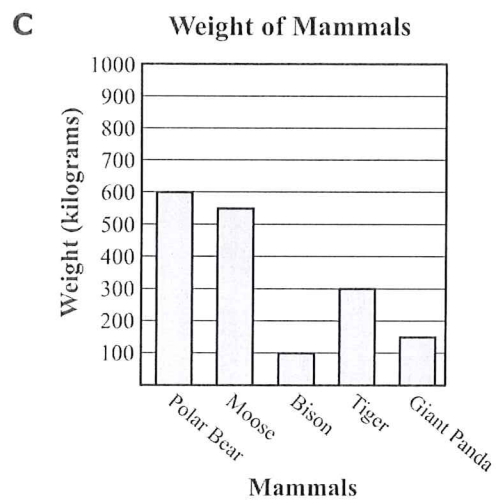
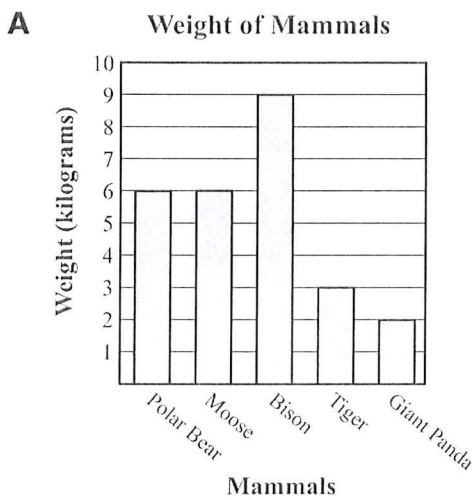




**13** Katie wants to use a bar graph instead of this pictograph for her report on mammals.



Which bar graph shows the same information as the pictograph?





- 14** This table shows the favorite sports of 5<sup>th</sup> graders at Abram Middle School.

**Favorite Sports**

<b>Sport</b>	<b>Percent of 5<sup>th</sup> Graders</b>
baseball	23%
basketball	20%
football	40%
soccer	17%

Which type of graph is most appropriate to display the data in this table?

- A** bar graph
- B** circle graph
- C** line graph
- D** pictograph

- 15** Jan plans to make some dip for her party.

- The recipe calls for 1 cup of sour cream.
- She plans to triple the recipe.
- Sour cream is sold in 1-pint containers.

What is the least number of 1-pint containers of sour cream Jan must have to make the dip?

- A** 4 containers
- B** 3 containers
- C** 2 containers
- D** 1 container



**DIRECTIONS**

Read each selection and the questions that follow it. Choose the best answer for each question. Find the question number on the Reading Practice Test. Mark your answer in the Reading section of the answer sheet.

The correct answer for Sample A has been filled in on the answer sheet to show how to mark your answers. Mark your answer for Sample B.

**Fast Tracks**

- 1 The fastest person can run about 26 miles per hour. However, there are even faster speeds in the animal world. Did you know that the ostrich can run up to 40 miles per hour? The cheetah, however, wins the race. It can dash up to 60 miles per hour when running on flat ground for short distances. Now that's impressive!

**Sample A**

This passage is mostly about

- A how fast an ostrich can run.
- B how the cheetah runs races.
- C how people can run at impressive speeds.
- D how some animals can run faster than people.

**Sample B**

In the title, the author is probably talking about tracks made by

- A cars.
- B trains.
- C animals.
- D bicycles.