

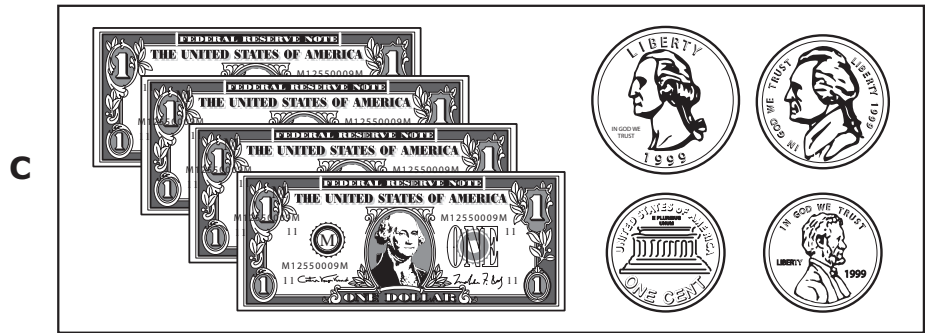
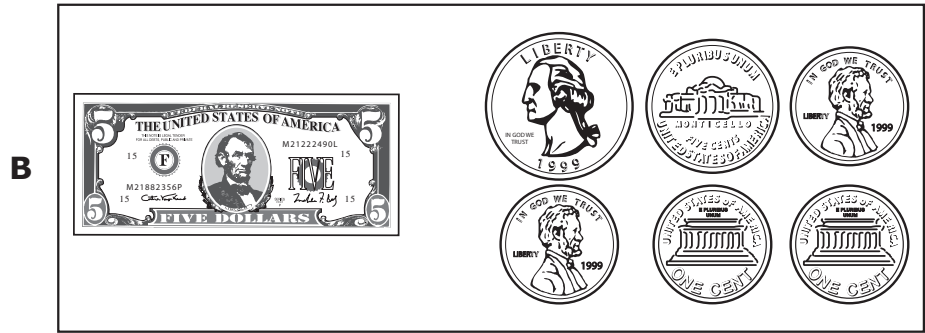
# MATHEMATICS

# Grade 4

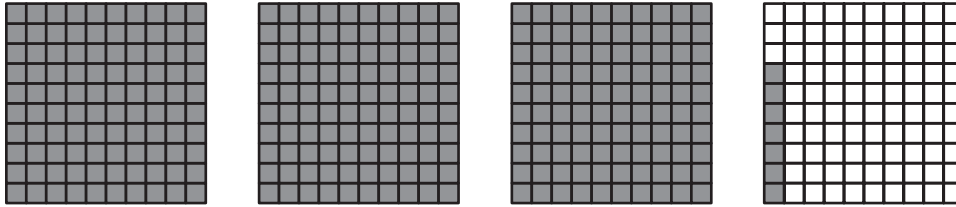
**2011 Released Test Questions**

These released questions represent selected TEKS student expectations for each reporting category. These questions are samples only and do not represent all the student expectations eligible for assessment.

- 1 Look at the amounts of money shown below. In which amount of money does the digit 4 represent four cents?



- 2 The model below is shaded to represent  $3\frac{7}{100}$ .



Which decimal does the model represent?

- A** 3.007
- B** 3.7
- C** 3.07
- D** 0.37
- 
- 3 During one basketball game, Sarah's team scored 11 baskets worth 2 points each and 3 baskets worth 1 point each. Daniel's team scored 8 baskets worth 2 points each and 10 baskets worth 1 point each. What was the final score?
- A** Sarah's team: 25 points  
Daniel's team: 16 points
- B** Sarah's team: 25 points  
Daniel's team: 26 points
- C** Sarah's team: 22 points  
Daniel's team: 16 points
- D** Sarah's team: 22 points  
Daniel's team: 26 points

- 4 Maricella buys 75 tickets at a carnival. She keeps 35 tickets for herself and gives the remaining tickets to her 2 sisters. If each of Maricella's sisters gets the same number of tickets, how many tickets does each sister get?
- A 40
  - B 20
  - C 55
  - D Not here

- 
- 5 The numbers below follow a pattern.

70    700    7,000    70,000    \_\_\_\_\_

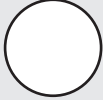

Which expression shows one way to find the next number in this pattern?

- A  $7 \times 10$
- B  $7 \times 100$
- C  $70,000 \times 10$
- D  $70,000 \times 100$



6 Which table best represents the relationship below?

$$\bigcirc \div 12 = \square$$



**A**

	
84	96
60	72
36	48
12	24



**C**

	
1	12
3	36
5	60
7	84

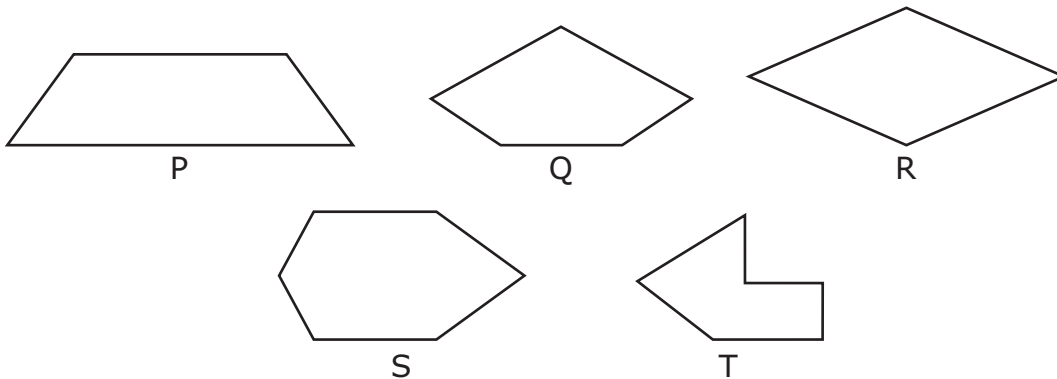
**B**

	
84	7
60	5
36	3
12	1

**D**

	
96	48
84	36
72	24
60	12

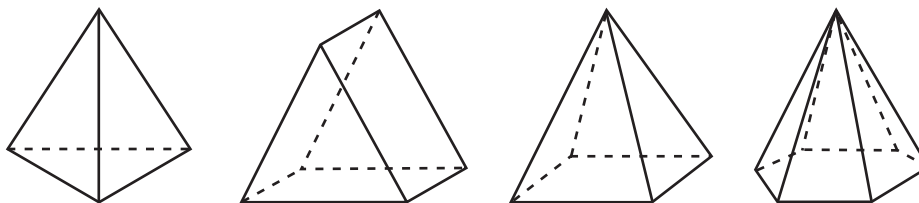
7 Look at the figures below.



Which of the following lists all the figures that appear to have at least 2 acute angles?

- A P, Q, and R
- B P, Q, R, and T
- C Q, R, S, and T
- D P, Q, R, S, and T

8 Look at the figures below.

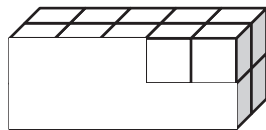


Which statement is true about these figures?

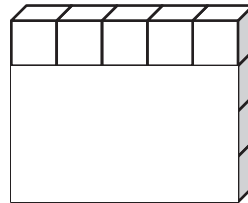
- A They each have at least 1 triangular face.
- B They are all pyramids.
- C They each have an equal number of vertices and faces.
- D They are all prisms.

- 9 A polygon has a perimeter of 20 inches. Each side is exactly 4 inches long. Which of the following figures does this describe?
- A Triangle
  - B Square
  - C Pentagon
  - D Hexagon

- 
- 10 Both of the models below are made of 1-inch cubes.



Model S

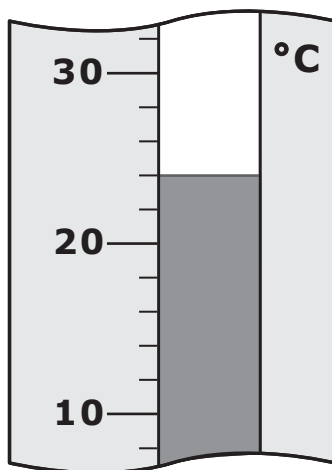


Model T

Which statement about these models is true?

- A The volume of Model S and Model T combined is 30 cubic inches.
- B Model T has a greater volume than Model S.
- C The volume of Model S and Model T combined is 53 cubic inches.
- D Model S and Model T have the same volume.

- 11** The thermometer below shows the low temperature in Lubbock, Texas, on a winter night.













The low temperature in Chicago, Illinois, on the same day was  $18^{\circ}\text{C}$  cooler. What was the temperature in Chicago?

- A**  $42^{\circ}\text{C}$
- B**  $4^{\circ}\text{C}$
- C**  $14^{\circ}\text{C}$
- D**  $6^{\circ}\text{C}$



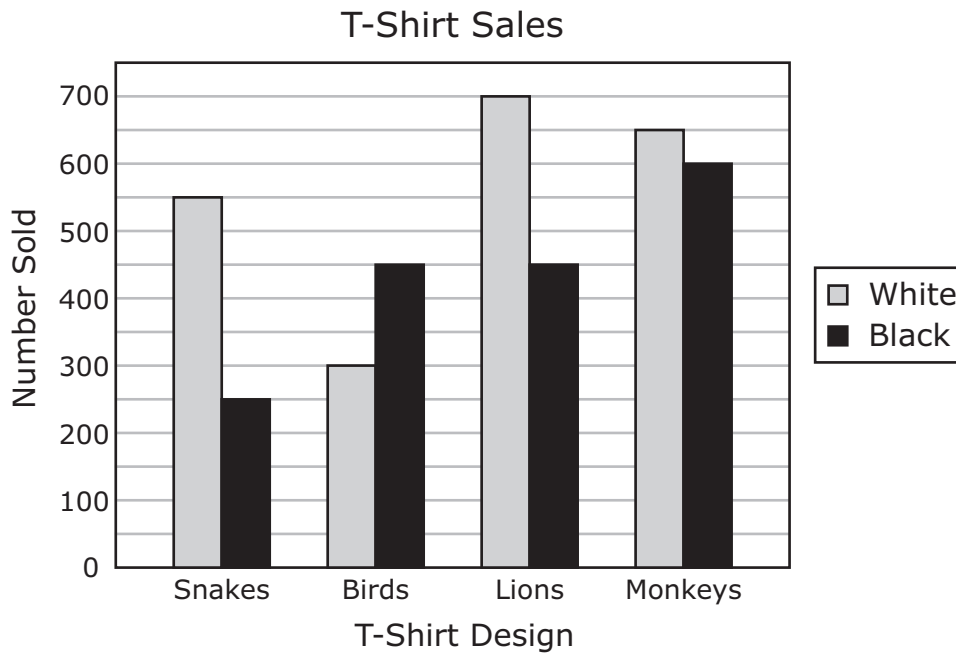
12 The pictures below show the choices for a lunch special at a restaurant.

Sandwiches	Side Orders	Drinks
 Chicken sandwich	 French fries	 Soda
 Turkey sandwich	 Onion rings	 Milk
 Hamburger	 Soup	 Lemonade
		 Water

How many combinations of 1 sandwich, 1 side order, and 1 drink are possible for the lunch special at this restaurant?

- A 10
- B 12
- C 36
- D 27

- 13** The graph below shows the number of different kinds of T-shirts that were sold at the zoo last year.



According to the graph, about how many more white T-shirts were sold last year than black T-shirts?

- A** 200
- B** 450
- C** 3,950
- D** 2,200

Item Number	Reporting Category	Readiness or Supporting	Content Student Expectation	Process Student Expectation	Correct Answer
1	1	Readiness	4.1(B)	4.14(A)	B
2	1	Readiness	4.2(D)		C
3	1	Readiness	4.4(D)	4.14(B)	B
4	1	Readiness	4.4(E)	4.14(B)	B
5	2	Supporting	4.6(B)	4.16(A)	C
6	2	Readiness	4.7(A)	4.15(B)	B
7	3	Supporting	4.8(A)		B
8	3	Readiness	4.8(C)	4.16(A)	A
9	4	Readiness	4.11(A)	4.14(C)	C
10	4	Supporting	4.11(C)	4.14(B)	D
11	4	Supporting	4.12(A)	4.14(A)	D
12	5	Supporting	4.13(A)	4.14(C)	C
13	5	Readiness	4.13(B)	4.14(B)	B

For more information about the new STAAR assessments, go to [www.tea.state.tx.us/student.assessment/staar/](http://www.tea.state.tx.us/student.assessment/staar/).