



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Released Items
2005**

**Grade 4
Mathematics**

Mathematics

- 1 Look at the information in the box.

9 tens 5 ones 8 hundreds

What number does the information describe?

- A. 589
 - B. 895
 - C. 958
 - D. 985
- 2 What decimal represents one-fourth of a dollar?
- A. \$ 0.05
 - B. \$ 0.25
 - C. \$ 2.50
 - D. \$25.00

- 3 Which set of cards is in order from least to greatest?

- A.

893	871	854	828
-----	-----	-----	-----
- B.

828	854	871	893
-----	-----	-----	-----
- C.

871	893	854	828
-----	-----	-----	-----
- D.

854	828	871	893
-----	-----	-----	-----

- 4 Anna and Chris are solving this problem.

There are 4 bags of oranges. There are 6 oranges in each bag. How many oranges are there in all?

Anna writes $6 + 6 + 6 + 6 = \square$.

Chris writes $6 \times 4 = \square$.

Who has written a correct number sentence?

- A. only Anna
- B. only Chris
- C. both Anna and Chris
- D. not Anna and not Chris

- 5 Connie baked 7 cakes. She used 3 eggs for each cake. How many eggs did Connie use?

- A. 3
- B. 10
- C. 21
- D. 24

- 6 A shape has

- exactly four angles,
- exactly four sides, and
- sides that are all the same length.

Which could be the shape?

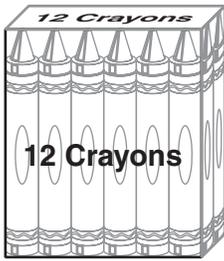
- A. triangle
- B. pentagon
- C. hexagon
- D. rhombus

7 Which object has a mass of about 1 gram?

A.



B.



C.



D.



8 Look at this pattern.



What are the next three shapes in the pattern?

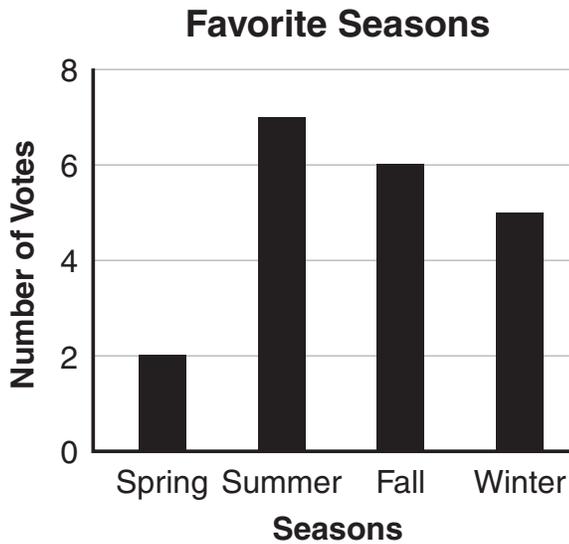
A. ★★□

B. ★□●

C. ●★★

D. □●★

- 9 Look at this bar graph.



How many more votes did the most favorite season receive than the least favorite season?

- A. 4
- B. 5
- C. 6
- D. 7

- 10 Lin wrote down the tool each of his friends uses to draw pictures. Look at Lin's list.

Crayons	Crayons	Colored Pencils
Colored Pencils	Markers	Markers
Markers	Crayons	Markers
Markers	Crayons	Colored Pencils

Which tally chart matches Lin's list?

A.

Tool	Number of Friends
Crayons	
Colored Pencils	
Markers	

B.

Tool	Number of Friends
Crayons	
Colored Pencils	
Markers	

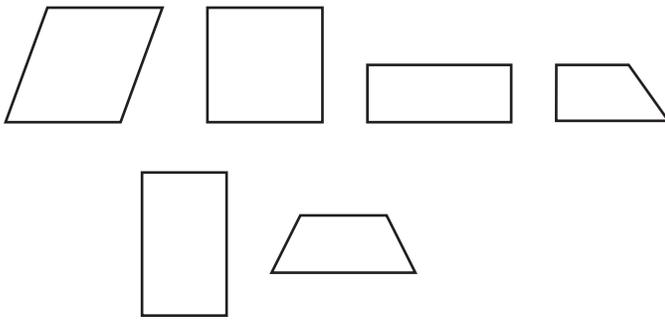
C.

Tool	Number of Friends
Crayons	
Colored Pencils	
Markers	

D.

Tool	Number of Friends
Crayons	
Colored Pencils	
Markers	

11 Look at these six shapes.



Write one way the six shapes are alike.

12 This clock shows the time Terry needed to be at soccer practice.



He was 5 minutes late to practice.

What time did Terry arrive at soccer practice?

- 13 Look at this number sentence.

$$\triangle + \triangle + \triangle = 7 + 2$$

Each triangle has the same value.

What is the value of each triangle?

- 14 Fran has three coins. Each coin has a different value. The total value of the coins is less than 30¢.

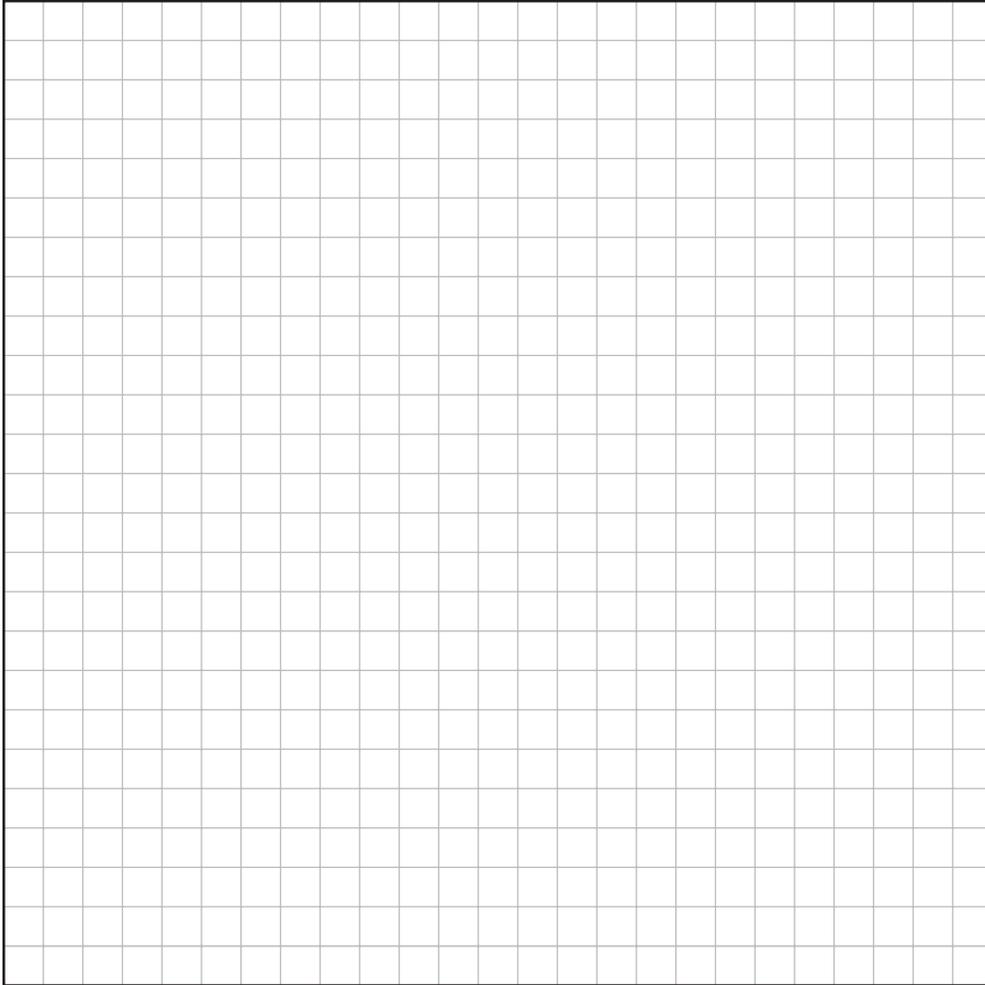
How much money does Fran have? Use a dollar sign (\$) and a decimal point (.) to write your answer. Use numbers, words, or pictures to show your work or explain how you know.

- 15 Jeanne earned \$12.50 babysitting and \$9.75 mowing the lawn. Then she spent \$2.75.

How much money does Jeanne have now? Show your work or explain how you know.

- 16 Maria wants to make a garden with an area of 24 square feet. The garden must be rectangular.

On the grid below, draw 2 different rectangular gardens Maria could make. The distance around each garden must be different.



Key

represents 1 square foot

Grade 4 Mathematics Released Item Information

Released Item Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Calculator Allowed	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓		
Content Strand ¹	NO	NO	NO	NO	NO	GM	GM	FA	DP	DP	GM	GM	FA	NO	NO	GM
GLE Code	3-1	3-1	3-2	3-3	3-4	3-1	3-7	3-1	3-1	3-3	3-1	3-7	3-4	3-1	3-4	3-6
Depth of Knowledge Code	1	1	1	2	1	1	2	2	2	2	2	2	1	3	2	2
Item Type ²	MC	SA	SA	SA	SA	SA	SA									
Answer Key	B	B	B	C	C	D	D	B	B	D						
Total Possible Points	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2

¹Content Strand: NO = Numbers & Operations, GM = Geometry & Measurement, FA = Functions & Algebra, DP = Data, Statistics, & Probability

²Item Type: MC = Multiple-Choice, SA = Short Answer