



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Released Items
2006**

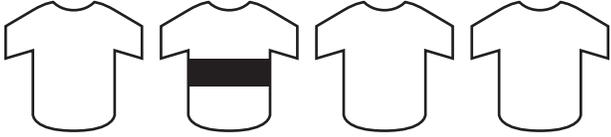
**Grade 3
Mathematics**

Mathematics



Item selected from Session One—no calculators or other mathematics tools allowed.

- 1 Look at this set of shirts.



What fraction of the set of shirts has a stripe?

- A. $\frac{1}{4}$
- B. $\frac{1}{3}$
- C. $\frac{3}{1}$
- D. $\frac{4}{1}$

- 2 Lin is thinking of a number.

- The number is greater than 58.
- The number is less than 65.

Which number could be Lin's number?

- A. 85
- B. 61
- C. 55
- D. 67



- 3 There are 7 boys, 9 girls, and 5 adults at a party. How many people are at the party altogether?

- A. 11
- B. 16
- C. 21
- D. 22



4 Kim scored 30 points in a basketball game. Adam scored 10 fewer points than Kim. How many points did Adam score?

- A. 10
- B. 20
- C. 30
- D. 40

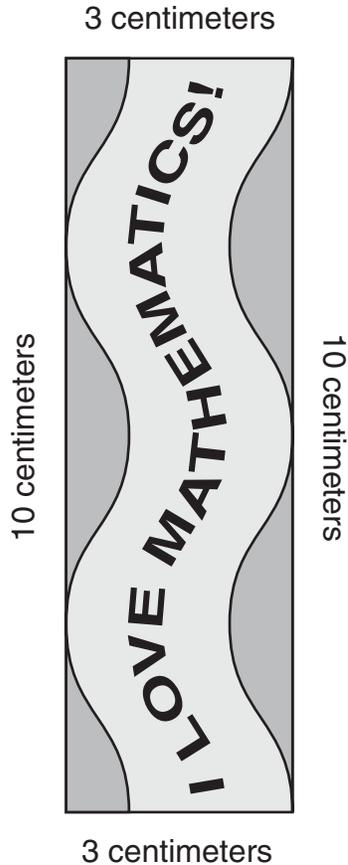
5 Emily has these coins.



What is the total value of Emily's coins?

- A. \$1.30
- B. \$1.25
- C. \$1.03
- D. \$0.93

- 6 Look at this bookmark.



What is the distance around this bookmark?

- A. 6 centimeters
- B. 13 centimeters
- C. 16 centimeters
- D. 26 centimeters

- 7 A movie is 115 minutes long. Which statement about this movie is true?



- A. The movie is less than 2 hours long.
- B. The movie is exactly 2 hours long.
- C. The movie is more than 2 hours long.

- 8 Look at this number sentence.

$$12 - 7 = \square - 3$$

What number makes this number sentence true?

- A. 2
- B. 5
- C. 7
- D. 8

- 9 This pictograph shows the animals on Ms. Howe's farm.

Animals on Ms. Howe's Farm

Cows	x x x x x
Horses	x x
Goats	x x x
Pigs	x x x x

Key x represents 1 animal

How many more cows than goats are on Ms. Howe's farm?

- A. 1
- B. 2
- C. 3
- D. 5

- 10 Look at this tally chart.

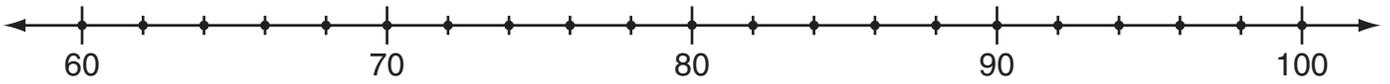
Favorite Color

Red	
Blue	
Purple	
Yellow	
Green	

What colors were the favorites of four or more people?

- A. yellow
- B. purple and yellow
- C. red, blue, and green
- D. red, blue, yellow, and green

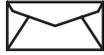
11 Look at this number line.



Put an "X" on the point that represents 10 more than 78.

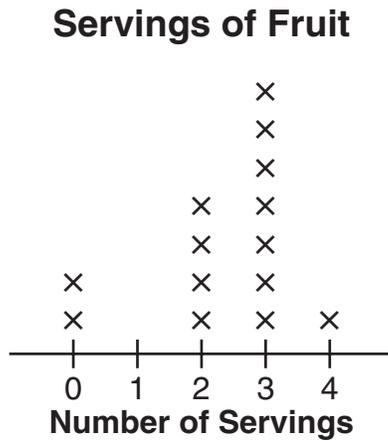
12

Look at the trapezoid below.



Use **two different** shapes from your envelope to make this trapezoid. Trace the shapes to show how they fit together to make this trapezoid.

- 13 This line plot shows how many servings of fruit each of Mr. Langer's students had yesterday.



Key
x represents 1 student

How many students had exactly one serving of fruit yesterday?



- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = \square$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

- b. How many birds are red?

- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

- 16 a. Write a number in the box to make this number sentence true.

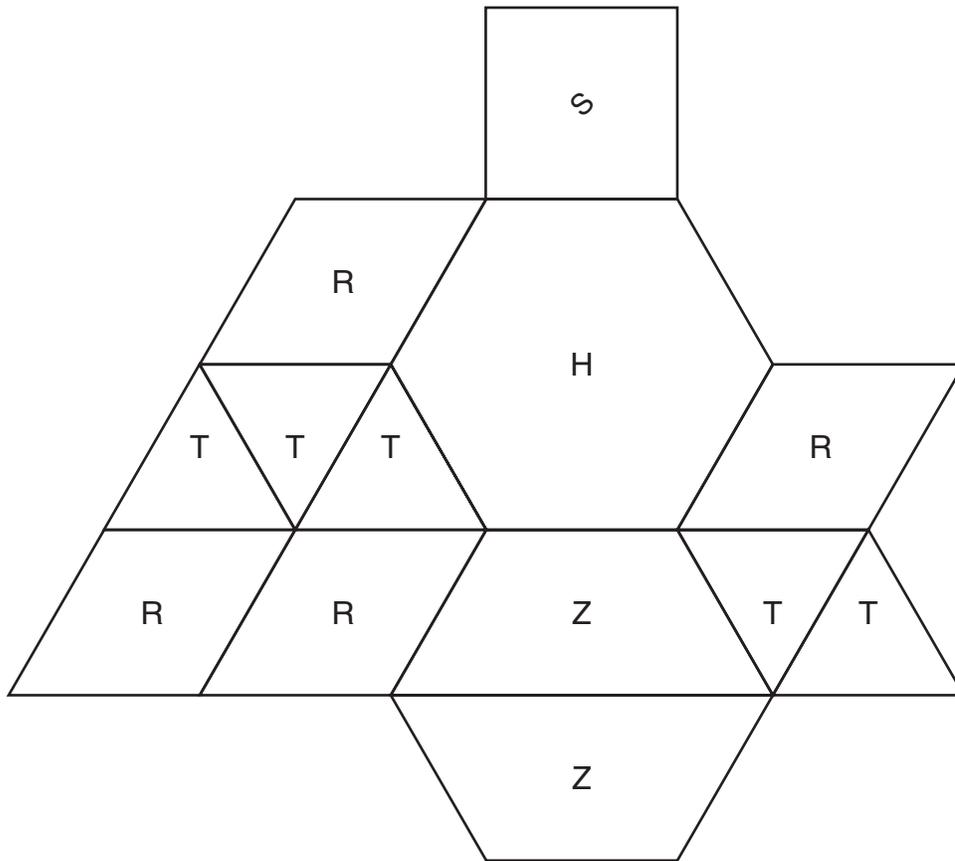
$$3 + 6 = \square + 5$$

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\square + \square = \square + \square$$

New England Common Assessment Program Mathematics Tool Kit – Grade 3

Use the shapes to answer questions on the mathematics test.



square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile
square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile

Grade 3 Mathematics Released Item Information

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