

Name \_\_\_\_\_

# Minnesota Comprehensive Assessments-Series III

Mathematics Item Sampler  
Grade 3



**ITEM SAMPLERS ARE NOT SECURE TEST MATERIALS.  
THIS ITEM SAMPLER TEST BOOK MAY BE COPIED  
OR DUPLICATED.**



# Mathematics Test

## General Directions

- This test contains four segments.
- You may use the grid paper at the back of this test book as scratch paper.
- For each question, choose the answer you think is best.
- Look at the sample that shows how to answer the question.

### Sample Question Answered in Test Book:

$$20 - 8 =$$

**A.** 8

**B.** 10

**C.** 12

**D.** 16

- You **may not** use a calculator for Segment 1.
- You **may** use a calculator for Segments 2, 3, and 4.
- When you finish a segment of the test, stop and check your answers. Then use the sticker given to you to seal it. Once you seal a segment, you cannot go back to it. Each segment must be sealed before you move on to the next segment.

The General Direction page is the same as it appears in the test. The item sampler will only have 2 segments. You may use a calculator for Segment 2.



On this test, do your own best work to show what you know and can do.

- Do not accept help finding answers to test questions.
- Do not give answers to other students.
- Do not tell others what is on the test.
- There may be consequences if you do not follow directions or if you behave dishonestly.

## Segment 1

You will be told when to begin this segment.

You **MAY NOT** use a calculator for this segment.





## Mathematics Test — Segment 1

1. What is another way to show 4,608?

- A.  $46 + 8$
  - B.  $4,000 + 60 + 8$
  - C.  $4,000 + 600 + 8$
  - D.  $4,000 + 600 + 80$
- 

2. There are 23,650 people in a stadium.

The stadium can hold 1,000 more people.

How many people can the stadium hold?

- A. 22,650
  - B. 23,750
  - C. 24,650
  - D. 33,650
- 

3. What is 153,924 rounded to the nearest thousand?

- A. 150,000
- B. 153,000
- C. 153,900
- D. 154,000

**ITEM SAMPLER.  
MAY BE DUPLICATED.**

**Go on to the next page.**

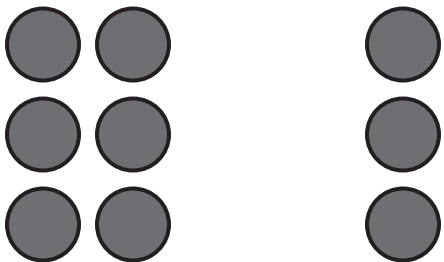
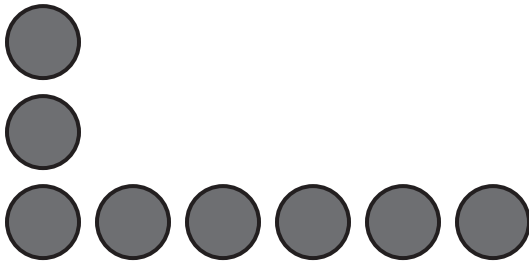
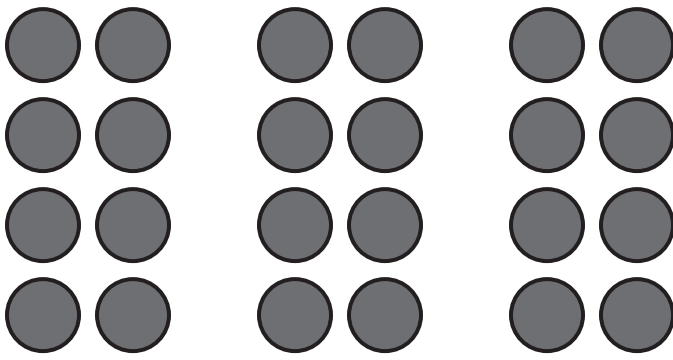
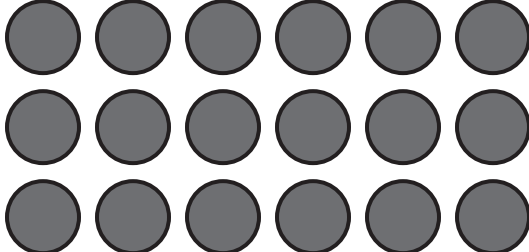


4. Subtract.

$$6,905 - 37$$

- A. 3,205
  - B. 6,868
  - C. 6,932
  - D. 6,968
- 

5. Which model shows  $6 \times 3$ ?

- A. 
- B. 
- C. 
- D. 



6. Malik has 64 marbles.

He puts an equal number of marbles into each of 4 jars.

How many marbles are in each jar?

- A. 14
  - B. 15
  - C. 16
  - D. 18
- 

7. Multiply.

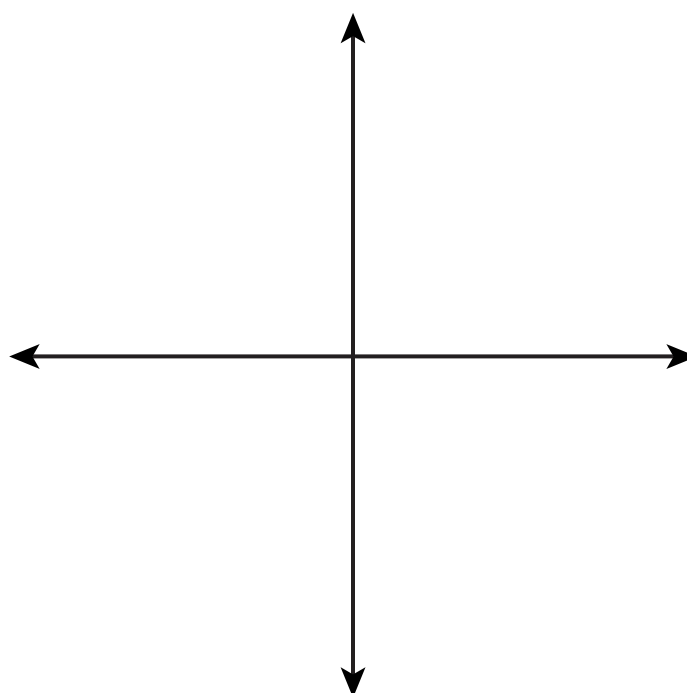
$$507 \times 6$$

- A. 342
- B. 3,002
- C. 3,042
- D. 3,102





8. Two lines are shown.



Which describes the relationship between the lines?

- A. Parallel
- B. Perpendicular
- C. Square
- D. Straight



**This is the end of Segment 1.**

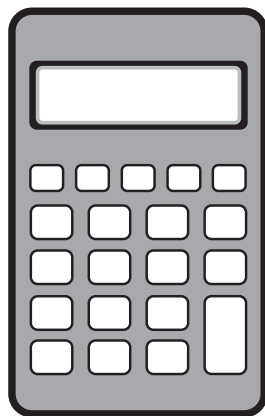
Check your work. Then seal this segment.



## Segment 2

You will be told when to begin this segment.

You **MAY** use a calculator for this segment.



Put sticker  
here



## Mathematics Test — Segment 2

9. Which number has a 5 in the ten thousands place?
- A. 104,352
  - B. 365,971
  - C. 582,607
  - D. 951,480

2

- 
10. Connie lists her scores from a video game.

14,087 13,345 14,613 14,301

Which list shows the scores listed from greatest to least?

- A. 14,613 13,345 14,301 14,087
- B. 14,613 14,301 14,087 13,345
- C. 14,087 14,613 14,301 13,345
- D. 13,345 14,087 14,301 14,613

**ITEM SAMPLER.  
MAY BE DUPLICATED.**

**Go on to the next page.**



**11.** Jeff had 1,350 glass beads and 695 clay beads.

He sold 138 glass beads and 47 clay beads.

How many beads did Jeff have left?

- A.** 470
- B.** 746
- C.** 1,860
- D.** 2,230

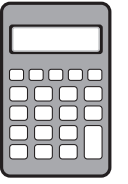
2

---

**12.** Cory has 2 red crayons and 1 blue crayon.

What fraction of Cory's crayons is red?

- A.**  $\frac{1}{3}$
- B.**  $\frac{1}{2}$
- C.**  $\frac{2}{3}$
- D.**  $\frac{3}{2}$



**13.** Gavin has 4 green apples and 4 red apples.

Tara has 4 green apples and 8 red apples.

Who has a greater fraction of green apples?

- A.** Gavin, because  $\frac{4}{8}$  is greater than  $\frac{4}{12}$
- B.** Tara, because  $\frac{4}{12}$  is greater than  $\frac{4}{8}$
- C.** Tara, because 12 is greater than 8
- D.** They both have the same fraction of green apples.

2



**14.** Ellen has a vase of flowers.

- $\frac{1}{8}$  are red.
- $\frac{1}{3}$  are blue.
- $\frac{1}{6}$  are purple.
- $\frac{1}{4}$  are yellow.

Which is the greatest fraction?

- A.**  $\frac{1}{8}$
- B.**  $\frac{1}{3}$
- C.**  $\frac{1}{6}$
- D.**  $\frac{1}{4}$

2



- 15.** A table is shown.

| Input | Output |
|-------|--------|
| 2     | 12     |
| 4     | 24     |
| 8     | 48     |

What is the output number when the input number is 12?

- A.** 2  
**B.** 60  
**C.** 72  
**D.** 96

- 
- 16.** Which story problem can be solved using the number sentence  $2 \times n = 18$ ?
- A.** Tom had 18 pencils. He gave  $n$  pencils away and had 2 left over. How many pencils did Tom give away?
- B.** Alice bought  $n$  books and spent \$18. Each book cost \$2. How many books did Alice buy?
- C.** Maya had  $n$  rocks and 2 baskets. She put 18 rocks in each basket. How many rocks did Maya have?
- D.** Pedro saw 2 kinds of birds. He saw 18 robins and  $n$  crows. How many crows did Pedro see?





**17.** An equation is shown.

$$3 \times 7 = \underline{\quad} + 7$$

What number makes the number sentence true?

- A.** 3
- B.** 14
- C.** 21
- D.** 28

2

---

**18.** Which shape has the fewest angles?

- A.** Hexagon
- B.** Octagon
- C.** Pentagon
- D.** Trapezoid



**19.** The perimeter of a rectangle is 16 inches.

Its length is 5 inches.

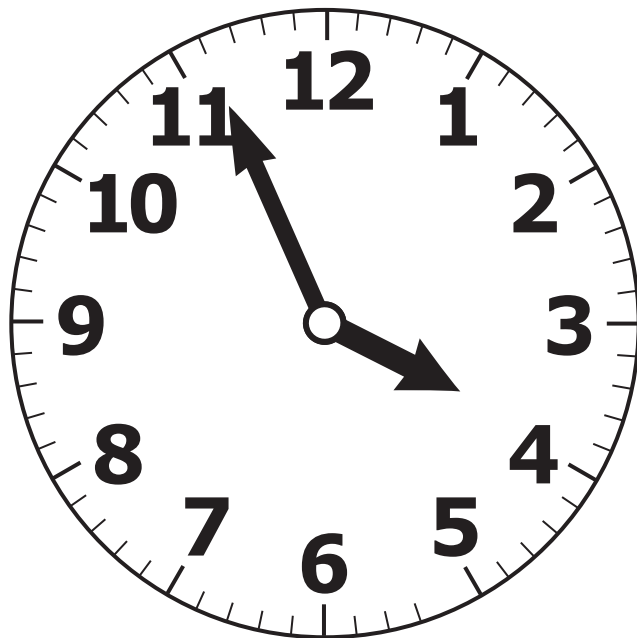
What is its width?

- A.** 3 inches
- B.** 6 inches
- C.** 11 inches
- D.** 21 inches

2

---

**20.** Mai Ka starts reading a book at the time shown on the clock.



She stops reading 1 hour and 12 minutes later.

What time does Mai Ka stop reading?

- A.** 4:08
- B.** 4:44
- C.** 5:04
- D.** 5:08



**21.** A movie is 2 hours and 28 minutes long.

How many minutes long is the movie?

- A.** 88 minutes
- B.** 120 minutes
- C.** 148 minutes
- D.** 228 minutes

2

---

**22.** Gina buys a snack for 59¢.

She pays with a \$1 bill.

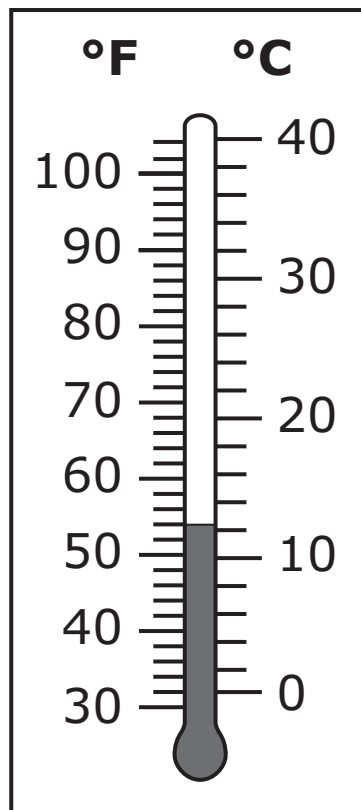
She receives the fewest possible coins in change.

What change does Gina receive?

- A.** 1 quarter, 1 dime, 1 nickel, and 1 penny
- B.** 2 quarters and 1 penny
- C.** 2 quarters, 1 nickel, and 4 pennies
- D.** 4 dimes and 1 penny



23. A thermometer is shown.



What temperature is shown on the thermometer?

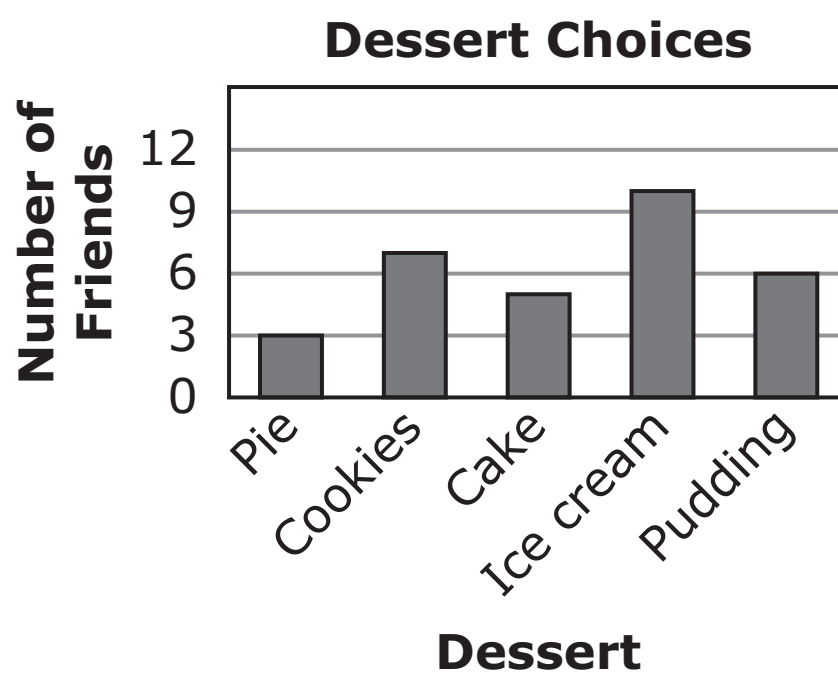
- A. 11°C
- B. 12°F
- C. 54°C
- D. 54°F

**ITEM SAMPLER.  
MAY BE DUPLICATED.**

**Go on to the next page.**



24. Leon asked his friends to choose a favorite dessert.



How many more friends chose ice cream than pie?

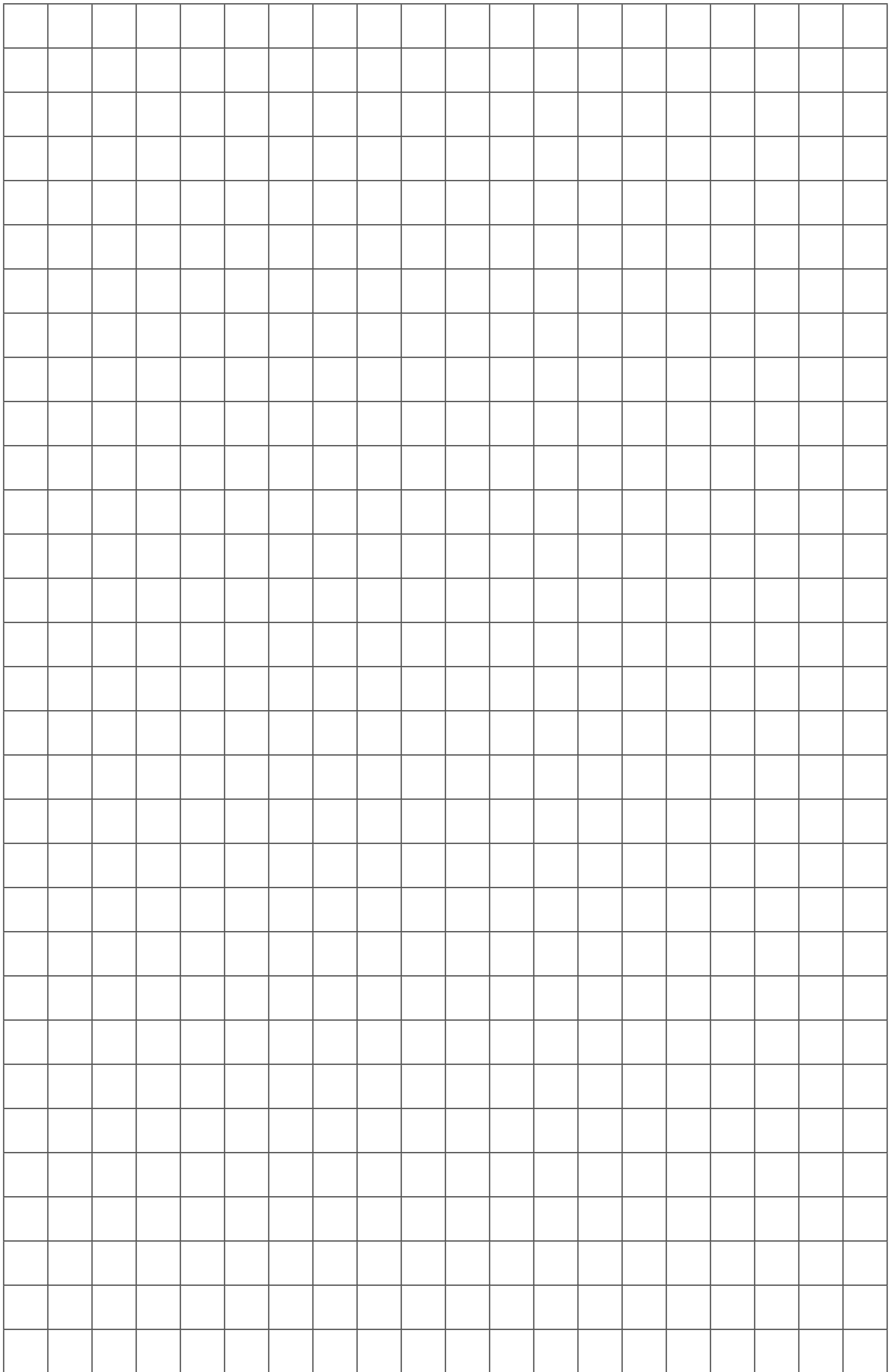
- A. 2
- B. 5
- C. 7
- D. 10

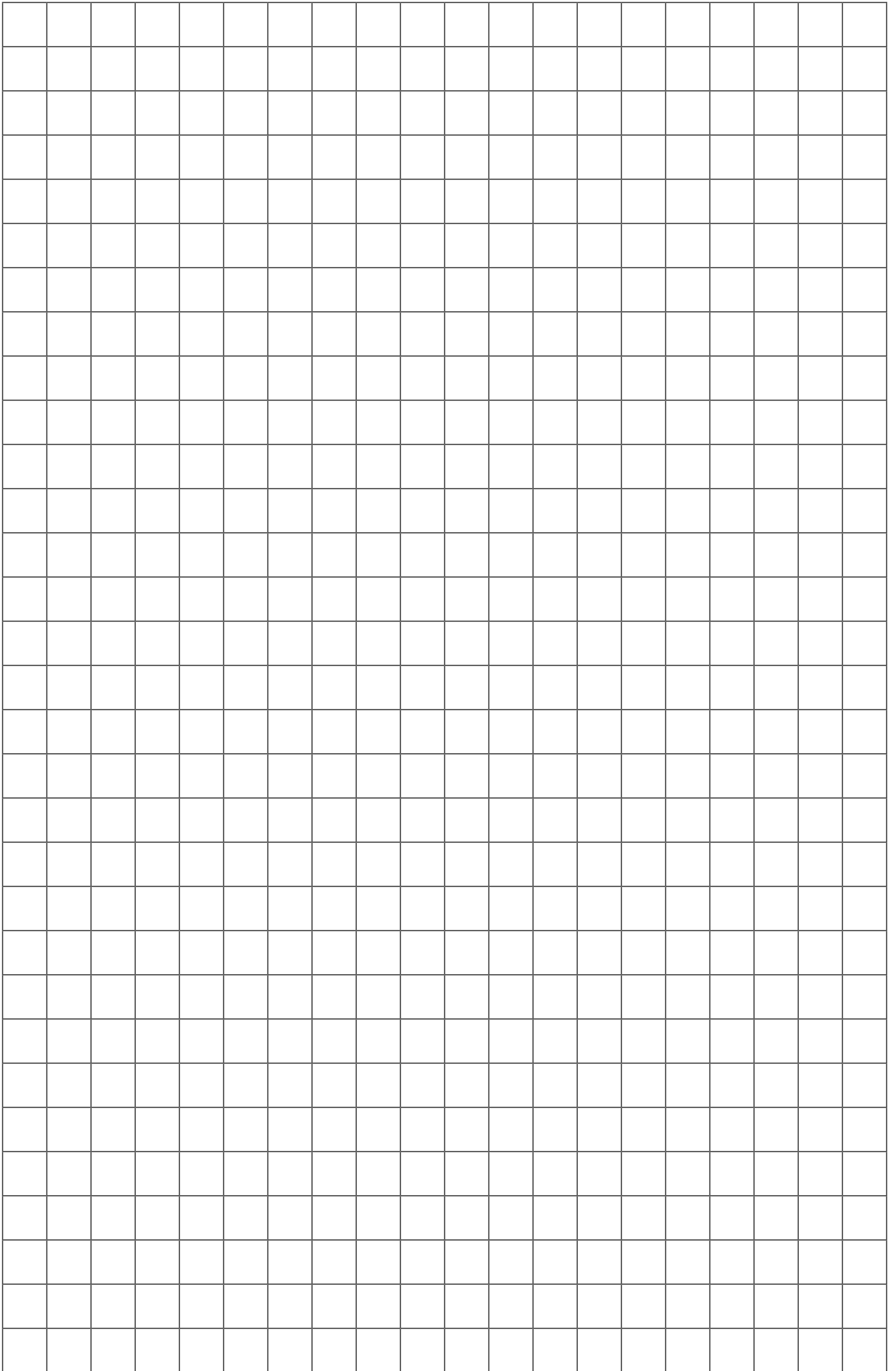
Put sticker  
here



**This is the end of Segment 2.**  
Check your work. Then seal this segment.











**ITEM SAMPLERS ARE NOT SECURE TEST MATERIALS.  
THIS ITEM SAMPLER TEST BOOK MAY BE COPIED  
OR DUPLICATED.**

**Grade 3  
Mathematics Item Sampler  
18pt**