

Unit 4 Test 3 Mathematics

Administration Time: 70 minutes
in two sessions

Distribute scratch paper to the students.

Part 1

Say Turn to the Test Practice section of your book on page 106. This is Test 3, Mathematics Part 1. Find Test 3 on your answer sheet. You will mark all your answers on the answer sheet.

Check to see that the students have found page 106.

Say This test will check how well you solve mathematics problems. Remember to make sure that the circles for your answer choices are completely filled in. Press your pencil firmly so your marks come out dark. Completely erase any marks for answers that you change. Do not write anything on the answer sheets except your answer choices.

Find Sample A at the top of the page. Read the subtraction problem and decide which answer is correct. (pause) The third answer, 5.5, is correct. Mark circle C for Sample A in the rows on your answer sheet. Be sure the circle is completely filled in with a dark mark and that you have marked the correct answer circle.

Check to see that the students have marked the correct circle.

Say Move down to Sample B. Read the problem, look at the graph, and decide which answer is correct. (pause) The last answer, 250, is correct. Mark circle J for Sample B in the rows on your answer sheet. Be sure the circle is completely filled in with a dark mark and that you have marked the correct answer circle.

Check to see that the students have marked the correct circle.

Unit 4 Test Practice

Test 3 Mathematics Part 1

Sample

A

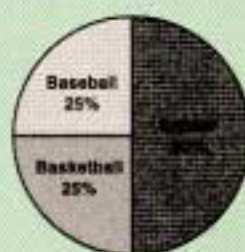
- 18 - 12.5 =
- A 6.5
 - B 30.5
 - * C 5.5
 - D 7.5
 - E None of these

Sample

B

This circle graph shows how many students prefer three different sports. About how many students preferred basketball?

- F 970
- G 750
- H 25
- * J 250



Students Sport Preferences
Total = 1000 students

Say Now you will do more mathematics problems. Turn to the next page, page 107.

Check to be sure the students have found the right page.

Say Now you will do more mathematics items yourself. Read each problem and decide which answer is correct. Mark the circle for your answers in the rows on your answer sheet. Make sure the circle is completely filled in and remember to press your pencil firmly so that your mark comes out dark. When you come to a GO sign at the bottom of a page, go on to the next page and continue working. Work until you come to the STOP sign at the bottom of page 110. Completely erase any marks for answers that you change. Are you ready? Let's begin. You will have 15 minutes.

Allow 15 minutes.

Unit 4

Test 3 Mathematics Part 1

1

$$4.6 - 0.2 =$$

- * A 4.4
- B 2.6
- C 4.04
- D 44.0
- E None of these

2

$$-15 + 4 =$$

- F -19
- G 19
- H 11
- * J -11
- K None of these

3

$$10\% \text{ of } 800 =$$

- A 8
- * B 80
- C 90
- D 800
- E None of these

4

$$7\frac{5}{6} - 5\frac{1}{3}$$

- F 24
- * G $2\frac{1}{2}$
- H $\frac{4}{8}$
- J 3
- K None of these

5

Which sign cannot go in the circle to make the number sentence true?

$$(6 \bigcirc 2) \bigcirc 3 = (3 \bigcirc 6) \bigcirc 2$$

- * A -
- B +
- C \times
- D None of these



Directions: Prospect Park Middle school is sponsoring a triathlon. Do Numbers 6 through 9 about the event.

- 6 The triathlon is raising money by charging entry fees. They collected \$600 in entry fees. Each participant paid \$10. How many people paid to participate in the event?

F 6
* G 60
H 600
J 6000
K None of these

- 7 **Jill's Results**

Part	Time
Swim	13.8 seconds
Run	26.4 seconds
Bike	

Triathlon participants must complete a swimming, a biking, and a running part to finish the race. Jill's total time for the triathlon was 65.10 minutes. What was Jill's biking time?

* A 24.9
B 25.9
C 24.2
D 41.2
E None of these

- 8 Brianne ran 3 miles in 24 minutes. At this rate, how long would it take her to run 7 miles?

* F 56 minutes
G 37 minutes
H 31 minutes
J 27 minutes
K None of these

- 9 The race committee hired a race official for a triathlon. They paid the race official \$5.50 per hour for $2\frac{1}{2}$ hours. How much did the race committee pay for the race official?

A \$1.50
B \$5.25
C \$10.00
* D \$13.75
E None of these

Directions: For Numbers 10 through 14 you do not need to find the exact answer. Use estimation to help you choose the best answer.

- 10 Use estimation to find which problem will have the largest answer.

$$\begin{array}{r} F \quad 326 \\ 361 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} H \quad 279 \\ 485 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} G \quad 195 \\ 484 \\ + 211 \\ \hline \end{array}$$

$$\begin{array}{r} * J \quad 405 \\ 37 \\ + 621 \\ \hline \end{array}$$

- 11 Which of these is the best estimate of

$$0.5 \times 8.17 = \square ?$$

- * A 4
- B 16
- C 0.2
- D 40

- 12 Which of these is the best estimate of

$$46\% \text{ of } 38.19 = \square ?$$

- * F 20
- G 40
- H 10
- J 2



Say Stop working now. You will do more mathematics items later. Check to see that you have completely filled in your answer circles with dark marks. Make sure that any marks for answers that you changed have been completely erased. Now you may close your books.

Collect the students' books and answer sheets. Distribute them again when you continue. This can be later in the same day or on a different day.



Test 3 Mathematics Part 1

- 13 The population of California is 33,871,648. The population of New York State is 18,976,457.
- The population of California is _____ million greater than the population of New York State.
- A between 13 and 14
 - * B between 14 and 15
 - C between 15 and 16
 - D between 16 and 17
- 14 Apples cost \$1.12 per pound. How many pounds of apples can you buy for \$8.00?
- F less than 6 pounds
 - G between 6 and 7 pounds
 - * H between 7 and 8 pounds
 - J more than 8 pounds

