

Lesson 9a

Mathematics Computation

Focus

Mathematics Skills

- solving word problems
- adding, subtracting, multiplying, and dividing whole numbers

Test-taking Skills

- planning a solution strategy
- identifying and using key words, numbers, and pictures
- converting items to a workable format
- performing the correct operation
- indicating that the correct answer is not given

Samples A and B

Distribute scratch paper to the students.

Say Turn to Lesson 9a on page 61. Read the directions at the top of the page to yourself while I read them out loud.

Check to see that the students have found the right page. Read the directions out loud.

Say In this lesson you will solve math computation problems. Find Sample A at the top of the page. Read the problem and the answer choices. Decide which answer is correct. You may work on scratch paper if you think this will help. (pause) Answer C, *seventy-seven*, is correct because thirty-two plus forty-five is seventy-seven. Mark the space the the third answer. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

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


Say Do Sample B. Read the problem and the answer choices. Decide which answer is correct. You may work on scratch paper if you think this will help. (pause) The third answer, *forty-six*, is correct because twenty-seven plus nineteen is forty-six. Mark the space for answer C. Be sure that your answer space is

Mathematics Computation

Lesson 9a Mathematics Computation

Directions: Read each problem. Then choose the answer you think is best. Mark the space for your answer. If the correct answer is not given, mark NG.

Sample A



A motel has 32 rooms on the first floor and 45 on the second floor. How many rooms does the motel have in all?

67 76 77 NG

(A) (B) (C) (D)

Sample B

$27 + 19 = \square$


18 20 46 73

(A) (B) (C) (D)



Pay close attention to the operation sign so you know what you should do.


1 There were 41 people in a restaurant. A group of 5 people went home. How many people were left in the restaurant?



34 36 46 NG

(A) (B) (C) (D)

2



6 9

There are 6 muffins in a package. Cassie bought 9 packages. How many muffins did she buy?

54 73 96 NG

(A) (B) (C) (D)

GO

61

completely filled in with a dark mark and that you have marked the correct answer space.

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



Say Now let's look at the tip.

Read the tip aloud to the students.

Say Read the problem carefully so you will know how to solve the problem. Most of the problems are addition or subtraction, but there are also a few multiplication and division problems.

Practice

Say Now you will do the Practice items in the same way we did the samples. Work by yourself. For each problem, mark the space for the answer you think is correct. If the correct answer is not one of the choices, choose the last answer, NG, for *not given*. You may use the scratch paper I gave you to solve the problems. When you come to the GO sign at the bottom of the page, go on to the next page and continue working. Work until you come to the STOP sign at the bottom of page 62. Do you have any questions? Let's begin.

Allow time for students to fill in their answers. Walk around the room and be sure the students understand what they are supposed to do. Provide students with any help they need to solve the problems on scratch paper.

Say It's time to stop. You have finished Lesson 9a.

Review the answers with the students. Have volunteers solve the problems, emphasizing the operation needed to find the answer.


Have the students indicate completion of the lesson by entering their score for this activity on the progress chart at the beginning of the book. Provide the students whatever help is necessary to record their scores.

Unit 5

Lesson 9a Mathematics Computation

3

A mail carrier had 83 letters in his bag. Then he delivered 27 of them. How many letters were left?




110 64 56 NG

☐ A ☐ B ☒ C ☐ D

4

There are 45 pretzels in a bag. How many pretzels are in 9 of these bags?



54 135 360 NG

☐ A ☐ B ☐ C ☒ D

5

$$\begin{array}{r} 7 \overline{)77} \end{array}$$

10 11 12 70

☐ A ☒ B ☐ C ☐ D

6

$$\begin{array}{r} 250 \\ - 221 \\ \hline \end{array}$$

19 21 29 31

☐ A ☐ B ☒ C ☐ D

7

$$\begin{array}{r} 564 \\ + 183 \\ \hline \end{array}$$

747 499 421 347

☒ A ☐ B ☐ C ☐ D

8

$4 \times 304 = \square$

4304 1261 1216 3044

☐ A ☐ B ☒ C ☐ D

9

$$\begin{array}{r} 63 \\ - 41 \\ \hline \end{array}$$

21 22 31 34

☐ A ☒ B ☐ C ☐ D

10

$52 \times 4 = \square$

56 106 108 208

☐ A ☐ B ☐ C ☒ D

62

STOP

Lesson 9b
Mathematics
Computation

Focus

Mathematics Skills

- solving word problems
- adding, subtracting, multiplying, and dividing whole numbers

Test-taking Skills

- transferring numbers accurately
- performing the correct operation
- converting items to a workable format
- computing carefully
- indicating that the correct answer is not given

Samples A and B

Distribute scratch paper to the students.

Say Turn to Lesson 9b on page 63.
Read the directions at the top of the page to yourself.

Check to see that the students have found the right page.

Say In this lesson you will solve more computation problems. Find Sample A at the top of the page. Read the problem and the answer choices. Decide which answer is correct. You may work on scratch paper if you think this will help. (pause) Answer B, *thirteen*, is correct because twenty minus seven is thirteen. Mark the space for the second answer. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

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


Say Do Sample B. Read the problem and the answer choices. Decide which answer is correct. You may work on scratch paper if you think this will help. (pause) The last answer, *thirty*, is correct because eighteen plus twelve is thirty. Mark the space for answer D. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

Mathematics Computation

Lesson 9b Mathematics Computation

Directions: Read each problem. Then choose the answer you think is best. Mark the space for your answer. If the correct answer is not given, mark NG.

Sample A



20 Books 7 Books

Mrs. Chavez has 20 books in a box. She put 7 on a shelf. How many are still in the box?

12 13 17 NG

(A) (B) (C) (D)

Sample B

$18 + 12 = \square$


21 24 29 30

(A) (B) (C) (D)



When you work on scratch paper, be sure to line up numbers.

1



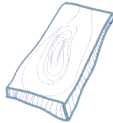
60 27

There are 60 seats on a bus. People are sitting on 27 of them. How many seats are empty?

30 33 39 NG

(A) (B) (C) (D)

2



To build a bird house, Elena will need 6 pieces of wood. How many bird houses can she build with 42 pieces of wood?

7 8 36 NG

(A) (B) (C) (D)

GO

63

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



Say Now let's look at the tip.

Read the tip aloud to the students.

Say It is important to work carefully on scratch paper. Be sure to copy numbers correctly from the problem and write them carefully on scratch paper. Line the numbers up so you don't make a mistake when you perform the operation.

Practice

Say Now you will do the Practice items in the same way we did the samples. Work by yourself. For each problem, mark the space for the answer you think is correct. If the correct answer is not one of the choices, choose the last answer, NG, for *not given*. You may use the scratch paper I gave you to solve the problems. When you come to the GO sign at the bottom of the page, go on to the next page and continue working. Work until you come to the STOP sign at the bottom of page 64. Do you have any questions? Let's begin.

Allow time for students to fill in their answers. Walk around the room and be sure the students understand what they are supposed to do. Provide students with any help they need to solve the problems on scratch paper.

Say It's time to stop. You have finished Lesson 9b.

Review the answers with the students. Have volunteers solve the problems on the chalkboard, emphasizing copying and aligning numbers carefully.

Have the students indicate completion of the lesson by entering their score for this activity on the progress chart at the beginning of the book. Provide the students whatever help is necessary to record their scores.

Unit
5

Lesson 9b Mathematics Computation

- 3 Cavuto Dairy has 93 workers. Of these workers, 49 have completed safety training. How many workers have not finished training?



43 44 47 NG
(A) (B) (C) (D)

- 4 \$695
\$391
A flight from Boston to California normally costs \$695. Tickets are on sale for \$391. How much can be saved by buying plane tickets on sale?



\$286 \$302 \$304 NG
(A) (B) (C) (D)

- 5
$$\begin{array}{r} 357 \\ + 256 \\ \hline \end{array}$$

513 603 613 617
(A) (B) (C) (D)

- 6 $5 \times 7 = \square$
42 28 7 35
(A) (B) (C) (D)

- 7
$$\begin{array}{r} 34 \\ \times 9 \\ \hline \end{array}$$

43 236 306 336
(A) (B) (C) (D)

- 8 $64 \div 8 = \square$
7 8 9 NG
(A) (B) (C) (D)

- 9
$$\begin{array}{r} 3 \overline{)33} \\ \hline \end{array}$$

8 9 10 11
(A) (B) (C) (D)

- 10 $57 + 21 = \square$
78 87 88 96
(A) (B) (C) (D)

STOP

Unit 5

Test Yourself: Mathematics Computation

Focus

Mathematics Skills

- solving word problems
- adding, subtracting, multiplying, and dividing whole numbers

Test-taking Skills

- planning a solution strategy
- identifying and using key words, numbers, and pictures
- converting items to a workable format
- performing the correct operation
- indicating that the correct answer is not given
- transferring numbers accurately
- computing carefully

This lesson simulates an actual test-taking experience. Therefore, it is recommended that the directions be read verbatim and the suggested procedures be followed.

Directions

Administration Time:
approximately 25 minutes

Distribute scratch paper to the students.

Say Turn to the Test Yourself lesson on page 65.
Read the directions at the top of the page to yourself while I read them out loud.

Check to see that the students have found the right page. Read the directions out loud. Point out to the students that this Test Yourself lesson is like a real test, but that they will score it themselves to see how well they are doing. Explain that it is important to work carefully and to answer as many questions as possible.

Say This lesson will check how well you can solve math problems. You may use the scratch paper I gave you to solve problems. Remember to make sure that the spaces for your answer choices are completely filled in. Press your pencil firmly so that your marks come out

Unit 5

Test Yourself: Mathematics Computation

Directions: Read each problem. Then choose the answer you think is best. Mark the space for your answer. If the correct answer is not given, mark NG.

Sample

A Leon collected 26 cans, and Janet collected 34 cans. How many cans did they collect?



60 50 8 NG

☒ ☐ ☐ ☐

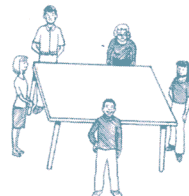
Sample

B
$$\begin{array}{r} 536 \\ - 61 \\ \hline \end{array}$$

597 575 535 475

☐ ☐ ☐ ☒

1



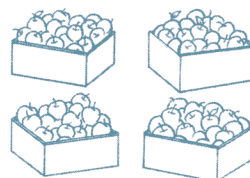
5 People 6 Tables

There were 5 people at each table at the fair booth. There were 6 tables altogether. How many people were at the fair booth?

30 11 6 NG

☒ ☐ ☐ ☐

3



40 Apples 4 Boxes

There are 40 apples in a box. How many apples are there in 4 boxes?

44 80 180 NG

☐ ☐ ☐ ☒

GO

dark. Completely erase any marks for answers that you change. Do not write anything except your answer choices in your books.

Find Sample A at the top of the page. Read the problem and the answer choices. Decide which answer is correct. If the right answer is not one of the choices, choose the last answer, NG, for *not given*. You may work on scratch paper if you think this will help. (pause) Answer A, *sixty*, is correct because twenty-six plus thirty-four is sixty. Mark the space for the first answer. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

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

Unit 5

Test Yourself: Mathematics Computation

Focus

Mathematics Skills

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Test-taking Skills

- planning a solution strategy
- identifying and using key words, numbers, and pictures
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- performing the correct operation
- indicating that the correct answer is not given
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Say This lesson will check how well you can solve math problems. You may use the scratch paper I gave you to solve problems. Remember to make sure that the spaces for your answer choices are completely filled in. Press your pencil firmly so that your marks come out

Unit 5

Test Yourself: Mathematics Computation

Directions: Read each problem. Then choose the answer you think is best. Mark the space for your answer. If the correct answer is not given, mark NG.

Sample

A Leon collected 26 cans, and Janet collected 34 cans. How many cans did they collect?



60 50 8 NG

☒ ☐ ☐ ☐

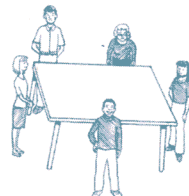
Sample

B
$$\begin{array}{r} 536 \\ - 61 \\ \hline \end{array}$$

597 575 535 475

☐ ☐ ☐ ☒

1



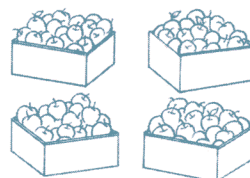
5 People 6 Tables

There were 5 people at each table at the fair booth. There were 6 tables altogether. How many people were at the fair booth?

30 11 6 NG

☒ ☐ ☐ ☐

3



40 Apples 4 Boxes

There are 40 apples in a box. How many apples are there in 4 boxes?

44 80 180 NG

☐ ☐ ☐ ☒

GO

dark. Completely erase any marks for answers that you change. Do not write anything except your answer choices in your books.

Find Sample A at the top of the page. Read the problem and the answer choices. Decide which answer is correct. If the right answer is not one of the choices, choose the last answer, NG, for *not given*. You may work on scratch paper if you think this will help. (pause) Answer A, *sixty*, is correct because twenty-six plus thirty-four is sixty. Mark the space for the first answer. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

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

Say Do Sample B. Read the problem and the answer choices. Decide which answer is correct. You may work on scratch paper if you think this will help. *(pause)* The last answer, *four hundred seventy-five*, is correct. Mark the space for answer D. Be sure that your answer space is completely filled in with a dark mark and that you have marked the correct answer space.

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

Say Now you will do more items in the same way we did the samples. Work by yourself. For each problem, mark the space for the answer you think is correct. If the correct answer is not one of the choices, choose the last answer, NG, for *not given*. You may use the scratch paper I gave you to solve the problems. When you come to the GO sign at the bottom of the page, go on to the next page and continue working. Work until you come to the STOP sign at the bottom of page 67. Do you have any questions? Let's begin.

Allow time for students to fill in their answers. Walk around the room and be sure the students understand what they are supposed to do. Provide students with any help they need to solve the problems on scratch paper.

**Unit
5**

Test Yourself: Mathematics Computation

- 3** There were 100 sheets of construction paper in a package. Mrs. Carlson's class used 74 of the sheets for a project. How many sheets were not used for the project?



36 34 174 NG
A B C D

- 4** 68 83
68 people bought sandals at the Fashion Footwear store. Another 83 people bought athletic shoes. How many people bought shoes altogether?



15 141 151 NG
A B C D

- 5** 57 5
Dane got a new book and read 57 pages a day for 5 days. How many pages did Dane read altogether?



285 255 107 62
A B C D

- 6** The farmer had planted 93 rows of corn. Marit harvested 36 of the rows. How many rows were left?



129 67 63 NG
A B C D

- 7** \$64 in 8 Weeks
Natalie earned the same amount of money every week by walking her neighbor's dog. After 8 weeks, she had earned \$64. How much did she earn each week?



\$8 \$9 \$56 NG
A B C D

- 8** 3 Betas 8 Guppies 5 Tetras
All fish in a tank were betas, guppies, or tetras. There were 3 betas, 8 guppies, and 5 tetras. How many fish were in the tank?



13 15 17 NG
A B C D

GO

Say It's time to stop. You have completed the Test Yourself lesson.

Check to see that the students have correctly filled in their answer spaces. At this point, go over the answers with the students. Work through any questions that caused difficulty. Have the students indicate completion of the lesson by entering their score for this activity on the progress chart at the beginning of the book.

Unit
5

Test Yourself: Mathematics Computation

9

$$6 \times 3 = \square$$

7

18

21

36

(A)

(B)

(C)

(D)

10

$$21 \div 7 = \square$$

3

4

5

14

(A)

(B)

(C)

(D)

11

$$4 \overline{)32}$$

(A) 6

(C) 7

(B) 8

(D) 9

12

$$7 \times 3 = \square$$

(A) 10

(C) 14

(B) 18

(D) 21

13

$$\begin{array}{r} 624 \\ - 388 \\ \hline \end{array}$$

(A) 236

(C) 246

(B) 336

(D) 346

14

$$\begin{array}{r} 539 \\ + 30 \\ \hline \end{array}$$

(A) 967

(C) 839

(B) 589

(D) 569

15

$$\begin{array}{r} 46 \\ \times 72 \\ \hline \end{array}$$

(A) 3114

(C) 3302

(B) 3312

(D) 3412

16

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

(A) 17

(C) 84

(B) 71

(D) 72

STOP