

Lesson 12a  
Adding and  
Subtracting

## Focus

## Mathematics Skill

- adding and subtracting whole numbers, fractions, and decimals

## Test-taking Skills

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

## Samples A and B

Distribute scratch paper to the students.

**Say** Turn to Lesson 12a on page 59. In this lesson you will solve addition and subtraction problems. Read the directions at the top of the page to yourself while I read them out loud.

Read the directions out loud to the students.

**Say** Let's do Sample A. Read the problem and find the answer. You may work on the scratch paper I gave you. If you do work on scratch paper, be sure to transfer numbers accurately and compute carefully. (pause) Which answer choice is correct (answer C) What answer did you get? (890, 295) Mark answer circle C for Sample A in the answer rows at the bottom of the page. Make sure the circle is completely filled in with a dark mark.

**Check** to see that the students have filled in the correct answer circle. Demonstrate the solution to the problem on the chalkboard.

**Say** Do Sample B yourself. Read the problem and choose the answer you think is correct. If the correct answer is not one of the choices, choose the last answer, N. (pause) What answer should you choose? (answer M) Yes, the solution to the problem, 0.44, is not one of the choices. Fill in circle M for Sample B in the

## Math Computation

## Lesson 12a Adding and Subtracting

**Directions:** Solve each problem. Choose the answer you think is correct. If the correct answer is not given, fill in the space for the last answer, N.

Sample  
A2,135  
 $\times$  417

- A 790,195  
B 790,295  
\* C 890,295  
D N

Sample  
B0.21  
 $+$  0.23

- J 0.02  
K 0.35  
L 0.42  
\* M N



- Transfer numbers carefully to scratch paper, and be sure to perform the correct operation.
- Work the problem on scratch paper before you look at the answer choices.

1  $\begin{array}{r} 67 \\ 8 \\ 124 \\ + 53 \\ \hline \end{array}$

- A 152  
B 242  
\* C 252  
D N

2  $\frac{17}{11} - \frac{17}{11} =$

- \* J  $\frac{1}{9}$   
K  $\frac{1}{14}$   
L  $\frac{11}{12}$   
M N

3  $8.7 + 2.3 =$

- A 10.0  
B 10.10  
\* C 11.0  
D N

4  $0.69 - 0.3 =$

- J 0.0039  
K 0.36  
L 0.66  
\* M N

5  $0.51 + 7 + 3.8 =$

- A 0.96  
B 10.59  
\* C 11.31  
D N

6  $\frac{3}{18} + \frac{4}{18} =$

- J  $\frac{1}{4}$   
K  $\frac{1}{3}$   
L  $\frac{5}{18}$   
\* M N

7  $\begin{array}{r} 7,423 \\ - 2,988 \\ \hline \end{array}$

- \* A 4,455  
B 4,465  
C 4,565  
D N

8  $3 - 0.72 =$

- J 0.69  
\* K 2.28  
L 2.72  
M N

Answer rows A  1  3  5  7   
B  2  4  6  8

STOP

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answer rows. Make sure it is completely filled in with a dark mark.

Check to see that the students have filled in the correct answer circle.

## ★TIPS

**Say** Now let's look at the tips.

Have a volunteer read the tips aloud to the group.

**Say** When you work on scratch paper, be sure you transfer numbers accurately and work carefully. It's a good idea to solve the problem on scratch paper before you look at the answer choices. Once you have solved the problem, you can compare your answer with the answer choices.

## Practice

**Say** We are ready for Practice. You are going to do more problems in the same way that we did the samples. Do not write anything in your book except your answer choices. If you need to, use scratch paper to work the problems. Transfer numbers accurately to scratch paper and be sure to compute carefully. Pay careful attention to the operation sign for each problem. If the answer you find is not one of the choices, choose the last answer, N. Work until you come to the STOP sign at the bottom of the page. Make sure that the circles for your answer choices are completely filled in with dark marks. Erase any marks for answers that you change. You may begin.

Allow time for the students to fill in their answers.

**Say** It's time to stop. You have finished Lesson 12a.

Review the answers with the students. If any problems caused particular difficulty, work through each of the answer choices. Be sure to demonstrate each computation process in detail.

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 8

## Math Computation

### Lesson 12a Adding and Subtracting

**Directions:** Solve each problem. Choose the answer you think is correct. If the correct answer is not given, fill in the space for the last answer, N.

SAMPLE  
A  $\begin{array}{r} 2,135 \\ \times 417 \\ \hline \end{array}$

- A 790,195  
B 790,295  
\* C 890,295  
D N

SAMPLE  
B  $\begin{array}{r} 0.21 \\ + 0.23 \\ \hline \end{array}$

- J 0.02  
K 0.35  
L 0.42  
\* M N



- Transfer numbers carefully to scratch paper, and be sure to perform the correct operation.
- Work the problem on scratch paper before you look at the answer choices.

1  $\begin{array}{r} 67 \\ - 8 \\ \hline 124 \\ + 53 \\ \hline \end{array}$

- A 152  
B 242  
\* C 252  
D N

2  $\frac{17}{12} - \frac{11}{12} =$

- \* J  $\frac{1}{4}$   
K  $\frac{1}{16}$   
L  $\frac{30}{32}$   
M N

3  $8.7 + 2.3 =$

- A 10.0  
B 10.10  
\* C 11.0  
D N

4  $0.89 - 0.3 =$

- J 0.0039  
K 0.36  
L 0.66  
\* M N

5  $0.51 + 7 + 3.8 =$

- A 0.96  
B 10.59  
\* C 11.31  
D N

6  $\frac{8}{10} + \frac{4}{10} =$

- J  $\frac{2}{5}$   
K  $\frac{1}{5}$   
L 10  
\* M N

7  $\begin{array}{r} 7,423 \\ - 2,968 \\ \hline \end{array}$

- \* A 4,455  
B 4,465  
C 4,565  
D N

8  $3 - 0.72 =$

- J 0.69  
\* K 2.28  
L 2.72  
M N

Answers: A  B  C  D  E  F  G  H  I  J  K  L  M  N  O  P  Q  R  S  T  U  V  W  X  Y  Z  1  2  3  4  5  6  7  8  9  0

STOP

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## Focus

## Mathematics Skill

- adding and subtracting whole numbers, fractions, and decimals

## Test-taking Skills

- performing the correct operation
- computing carefully
- transferring numbers accurately
- indicating that the correct answer is not given
- taking the best guess when unsure of the answer

## Samples A and B

Distribute scratch paper to the students.

Say Turn to Lesson 12b on page 60. In this lesson you will solve more addition and subtraction problems. Read the directions at the top of the page to yourself while I read them out loud.

Read the directions out loud to the students.

Say Let's do Sample A. Read the problem and find the answer. You may work on the scratch paper I gave you. (pause) Which answer choice is correct? (answer C, 1.7) Mark answer circle C for Sample A in the answer rows at the bottom of the page. Make sure the circle is completely filled in with a dark mark.

Check to see that the students have filled in the correct answer circle.

Say Now do Sample B. Read the problem and choose the answer you think is correct. (pause) What is the correct answer? (answer K) Answer K is correct because five-ninths is the solution to the problem. Fill in circle K for Sample B in the answer rows. Make sure it is completely filled in with a dark mark.

Check to see that the students have filled in the correct answer circle. Review the solution to each of the sample items on the chalkboard.

Directions: Solve each problem. Choose the answer you think is correct. If the correct answer is not given, fill in the space for the best answer, N.

sample  
A  $0.2 + 0.9 + 0.6 =$

- A 0.017  
B 0.17  
\* C 1.7  
D N

sample  
B  $1 - \frac{1}{4} =$

- J  $\frac{1}{4}$   
\* K  $\frac{3}{4}$   
L  $\frac{5}{4}$   
M N



- Pay close attention to fractions and decimals. It is easy to make a mistake transferring these numbers to scratch paper.

1  $3\frac{1}{6} + 2\frac{1}{4} =$

- A  $5\frac{1}{6}$   
B  $5\frac{1}{4}$   
\* C  $6\frac{1}{2}$   
D N

2  $0.71$   
 $- 0.40$

- J 0.27  
\* K 0.31  
L 0.67  
M N

3  $0.534 + 0.21 + 4.6 =$

- A 0.601  
B 1.204  
C 5.244  
\* D N

4  $9 - 3\frac{1}{2} =$

- \* J  $5\frac{1}{2}$   
K  $6\frac{1}{2}$   
L  $6\frac{3}{2}$   
M N

5  $513$   
 $242$   
 $+ 2,471$

- A 3,126  
\* B 3,226  
C 2,226  
D N

6  $0.903$   
 $- 0.657$

- \* J 0.246  
K 0.255  
L 1.559  
M N

7  $\frac{1}{3} + \frac{1}{9} =$

- A  $\frac{1}{11}$   
\* B  $\frac{11}{9}$   
C  $\frac{11}{10}$   
D N

8  $0.961 - 0.324 =$

- J 0.537  
K 0.633  
\* L 0.637  
M N

STOP

60 Answer rows A  1  3  5  7   
B  2  4  6  8

## \*TIPS

Say Now let's look at the tip.

Have a volunteer read the tip aloud to the group.

Say When you solve computation problems that involve fractions and decimals, be sure to look at the numbers in the problem carefully. It is easy to make mistakes when you transfer and calculate with fractions and decimals.

## Practice

Say We are ready for Practice. You are going to do more problems in the same way that we did the samples. Do not write anything in your book except your answer choices. If necessary, use scratch paper to work the problems. Pay careful attention to the operation sign for each problem, and rearrange the problem on scratch paper in a way that will help you solve it. If you are not sure which answer is correct, be sure to take your best guess. Work until you come to the STOP sign at the bottom of the page. Make sure that the circles for your answer choices are completely filled in with dark marks. Erase any marks for answers that you change. You may begin.

Allow time for the students to fill in their answers.

Say It's time to stop. You have finished Lesson 12b.

Review the answers with the students. If any problems caused particular difficulty, work through each of the answer choices.

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 8

## Math Computation

### Lesson 12b Adding and Subtracting

Directions: Solve each problem. Choose the answer you think is correct. If the correct answer is not given, fill in the space for the last answer, N.

<b>Sample A</b>	$0.2 + 0.9 + 0.6 =$	A 0.017	<b>Sample B</b>	$1 - \frac{1}{4} =$	J $\frac{1}{2}$
		B 0.17			K $\frac{3}{4}$
		* C 1.7			L $\frac{1}{4}$
		D N			M N



Pay close attention to fractions and decimals. It is easy to make a mistake transferring these numbers to scratch paper.

<b>1</b>	$3\frac{1}{2} + 2\frac{1}{4} =$	A $5\frac{1}{4}$	<b>5</b>	$\begin{array}{r} 513 \\ 241 \\ + 2,471 \\ \hline \end{array}$	A 3,126
		B $5\frac{3}{4}$			* B 3,226
		* C 6			C 3,236
		D N			D N
<b>2</b>	$\begin{array}{r} 0.71 \\ - 0.40 \\ \hline \end{array}$	J 0.37	<b>6</b>	$\begin{array}{r} 0.902 \\ - 0.657 \\ \hline \end{array}$	* J 0.245
		* K 0.11			K 0.255
		L 0.67			L 1,559
		M N			M N
<b>3</b>	$0.534 + 0.21 + 4.6 =$	A 0.601	<b>7</b>	$\frac{1}{2} + \frac{1}{4} =$	A $\frac{1}{2}$
		B 1.204			* B $\frac{3}{4}$
		C 5.244			C $\frac{11}{24}$
		* D N			D N
<b>4</b>	$9 - 3\frac{1}{4} =$	* J $5\frac{3}{4}$	<b>8</b>	$0.963 - 0.324 =$	J 0.537
		K $6\frac{3}{4}$			K 0.633
		L $6\frac{1}{4}$			* L 0.637
		M N			M N

STOP

60 Answer rows A ● 1 ● 3 ● 5 ● 7 ●  
B ● 2 ● 4 ● 6 ● 8 ●