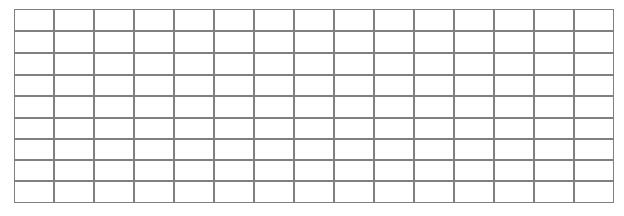
<ol> <li>Image: Second state of the second</li></ol>	the sum. Wri 800	te a number n	
ANSWER: 1,100 Number model: 70	0+400=1,	100	
<ul> <li>2. Solution Use pencil and paper for the number closest to a 627 + 884 + 175 1,400 Number model:</li> </ul>	the sum. Wri 1,700	te a number n	
ANSWER: 1,700 Number model: 60	0+900+20	0 = 1,700	
3. Use the partial-products algo	rithm to mult	ply.	
9 * 63 =			
ANSWER: 567			
4. Use the partial-products algo	rithm to multi	ply.	
= 234 * 5			
ANSWER: 1,170 1170			
5. Use the partial-products algo	rithm to multi	ply.	
= 90 * 43			
ANSWER: 3,870 3870			

### 

Use the partial-products algorithm to multiply.

a.	4 * 77 =	b.	62 * 8 =
c.	6 <b>*</b> 539 =	d.	39 * 60 =



ANSWER:

- **a.** 308
  - **c.** 3,234

**b.** 496 **d.** 2,340

### 7. Add.

8.5 + 4.4 = \_\_\_\_\_

ANSWER: 12.9

8. Add.

2.12 + 3.25 = \_\_\_\_\_

ANSWER: 5.37

9. Subtract.

6.3 - 2.1 = \_\_\_\_\_

ANSWER: 4.2

#### 10. Subtract.

6.77 - 3.11 = \_\_\_\_\_

ANSWER: 3.66

## 

-	
Add or subtract.	

а. с.	7.1 + 4 9.7 - 4	1.5 = _ 1.3 = _	 		b. d.	4.36 17.78	+ 2.62 3 – 8.4	2 = 13 = _			
-	_			<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	 

ANSWER:

a.	11.6	b.	6.98
C.	5.4	d.	9.35

### 12. Disc pencil and paper to answer the question.

Explain the mistake Nathan made when he solved this problem:

0.56- 0.2 0.54

Find the correct answer.

ANSWER: Sample answer: Nathan did not line up the digits according to their values; 0.2 is 2 tenths, not 2 hundredths. Correct answer is 0.36.

### 13. See pencil and paper to answer the question.

Measure the line segment to the nearest  $\frac{1}{4}$  inch and 0.5 centimeter.

\_\_\_\_\_

About \_\_\_\_\_ inches About \_\_\_\_\_ centimeters

ANSWER: Because of differences in printer scaling, the intended measure may be inaccurate. The intended measure for this segment is:

About  $3\frac{1}{2}$  inches

About 9 centimeters

Measure the printed segment to the nearest  $\frac{1}{4}$  inch and 0.5 centimeter to determine the

correct length based on your local printer settings.

#### 14. Improvement to answer the question.

Complete the "What's My Rule?" table.

Rule: Multiply by 5

in	out
7	
70	
	400
	4,000
30	

ANSWER:

in	out
7	35
70	350
80	400
800	4,000
30	150

## 15. Improvement to answer the question.

Complete the "What's My Rule?" table.

Rule: \* 20

in	out
3	
50	
	400
	1,600
40	

ANSWER:

in	out
3	60
50	1,000
20	400
80	1,600
40	800

## 16. Disc pencil and paper to answer the question.

Complete the "What's My Rule?" table. State the rule.

Rule: \_\_\_\_\_

in	out
3	210
9	630
8	
	3,500
	4,200

ANSWER: Rule: Multiply by 70

in	out
3	210
9	630
8	560
50	3,500
60	4,200

### 17. Improvement to answer the question.

Estimate whether the answer will be in tens, hundreds, thousands, or ten thousands. Write a number model to show how you got your estimate. Circle the correct box.

Then calculate the exact answer.

62 \* 57

10s 100s 1,000s 10,000s

a. Number model: \_\_\_\_\_

b. Exact answer: \_\_\_\_\_

ANSWER: The 1,000s box should be circled.

- a. Sample answer: Number model: 60 \* 60 = 3,600
- b. Exact answer: 3,534

#### 18. See pencil and paper to answer the question.

Estimate whether the answer will be in tens, hundreds, thousands, or ten thousands. Write a number model to show how you got your estimate. Circle the correct box.

Then calculate the exact answer.

Mr. Rojas fills his bird feeder with 24 ounces of bird seed each day. How many ounces of bird seed will he use in a 3 week time period?

10s 100s 1,000s 10,000s

a. Number model:\_\_\_\_\_

**b.** Exact answer: \_\_\_\_\_ ounces

ANSWER: The 100s box should be circled.

- a. Sample answer: Number model: 20 \* 20 = 400
- **b.** Exact answer: 504 ounces

## 19. Disc pencil and paper to answer the question.

On average, the Neighborhood Recycling Center recycles 8,000 aluminum cans each day.

- a. About how many aluminum cans are recycled in one week?
  - aluminum cans
- b. About how many aluminum cans are recycled in one month?

aluminum cans

c. Are more or less than a million aluminum cans recycled in a year?

Explain your answer.

ANSWER: **a.** 56,000 aluminum cans;

**b.** 240,000 aluminum cans;

c. More than a million. Sample answer: Because 240,000 aluminum cans are recycled in one month, about 12 \* 240,000 = 2,880,000 aluminum cans are recycled in a year.

\_\_\_\_\_

## 20. Disc pencil and paper to answer the question.

Maya measured the line segment shown below. She said, "The line segment is $4\frac{3}{4}$ inches long."	Do
you think Maya measured correctly? Explain your answer.	

0 inches	1 1	2	3 111111111111	4 4	2 נווויוייוייויייייייייייייייייייייייייי	6	
ANSWER	•	a started at measure to	-	nark, not th	e 0 mark, s	so she should	have subtracted 1 in

## 21. See pencil and paper to answer the question. Walking Away with a Million Dollars

You will need the following information to solve the problem below.







You can cover a **sheet** of paper with about 6 \$100 bills.

There are 500 sheets in one ream of paper. There are 10 reams in one carton.

Imagine that you have inherited one million dollars. The bank has only \$500,000 in \$100 bills. The bank gives you the rest of the money in \$50 bills and \$10 bills. Your suitcase will hold as much as 1 carton of paper.

Will one million dollars fit in your suitcase? Show all of your work. Explain what you did to solve the problem.

ANSWER: Sample answer: First I found out how many \$100 bills I had. \$500,000 is 5,000 \$100 bills. Six bills fit on a sheet of paper so 5,000 bills take up the same amount of space as 833 sheets of paper. That's about 2 reams of paper. I have space for 8 more reams. Then I subtracted \$500,000 from \$1,000,000 to find out the bank still owes me \$500,000. If they give me \$400,000 in \$50, that's another 8,000 bills. So that's 3 reams of paper. I have room for 5 more reams. I still need \$100,000. If the bank gives me the rest in \$10 bills, that's 10,000 bills. That is less than 4 reams. So \$1,000,000 will fit in my suitcase.