

## Unit 05 PC Form A

1.  **Use pencil and paper to answer the question.**

Circle the number closest to the sum. Write a number model for the estimate.

$$691 + 421 \quad 500 \quad 800 \quad 1,100 \quad 1,400$$

Number model: \_\_\_\_\_

2.  **Use pencil and paper to answer the question.**

Circle the number closest to the sum. Write a number model for the estimate.

$$627 + 884 + 175 \quad 1,400 \quad 1,700 \quad 2,000 \quad 2,300$$

Number model: \_\_\_\_\_

3. Use the partial-products algorithm to multiply.

$$9 * 63 = \underline{\hspace{2cm}}$$

4. Use the partial-products algorithm to multiply.

$$\underline{\hspace{2cm}} = 234 * 5$$

5. Use the partial-products algorithm to multiply.

$$\underline{\hspace{2cm}} = 90 * 43$$

6.  **Use pencil and paper to answer the question.**

Use the partial-products algorithm to multiply.

a.  $4 * 77 = \underline{\hspace{2cm}}$

b.  $62 * 8 = \underline{\hspace{2cm}}$

c.  $6 * 539 = \underline{\hspace{2cm}}$

d.  $39 * 60 = \underline{\hspace{2cm}}$


7. Add.

$$8.5 + 4.4 = \underline{\hspace{2cm}}$$

8. Add.

$$2.12 + 3.25 = \underline{\hspace{2cm}}$$

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9. Subtract.

$$6.3 - 2.1 = \underline{\hspace{2cm}}$$

10. Subtract.

$$6.77 - 3.11 = \underline{\hspace{2cm}}$$

11.  Use pencil and paper to answer the question.

Add or subtract.

a.  $7.1 + 4.5 = \underline{\hspace{2cm}}$

b.  $4.36 + 2.62 = \underline{\hspace{2cm}}$

c.  $9.7 - 4.3 = \underline{\hspace{2cm}}$

d.  $17.78 - 8.43 = \underline{\hspace{2cm}}$


12.  Use pencil and paper to answer the question.

Explain the mistake Nathan made when he solved this problem:

$$\begin{array}{r} 0.56 \\ - 0.2 \\ \hline 0.54 \end{array}$$

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Find the correct answer. \_\_\_\_\_

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13.  **Use 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

14.  **Use pencil and paper to answer the question.**

Complete the “What’s My Rule?” table.

**Rule:** Multiply by 5

in	out
7	
70	
	400
	4,000
30	

15.  **Use pencil and paper to answer the question.**

Complete the “What’s My Rule?” table.

**Rule:** \* 20

in	out
3	
50	
	400
	1,600
40	

16.  **Use 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

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17.  Use 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.

$$62 * 57$$

10s	100s	1,000s	10,000s
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a. Number model: \_\_\_\_\_

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

18.  Use 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
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a. Number model: \_\_\_\_\_

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

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19.  **Use 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.

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20.  **Use 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.



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## Unit 05 PC Form A

21.  Use 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.

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