

Name: _____ Date: _____

EVERYDAY MATHEMATICS—4th Grade

Unit 4 Review: Multidigit Multiplication

1) Solve.

a. $40 \times 30 =$ _____

b. $60 \times 90 =$ _____

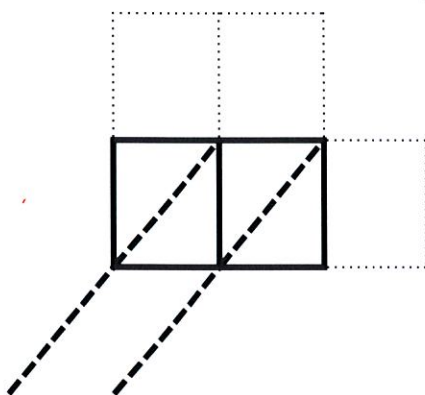
c. $500 \times 8 =$ _____

d. $8,000 \times 4 =$ _____

2) Use partial-products multiplication or the lattice method to solve.

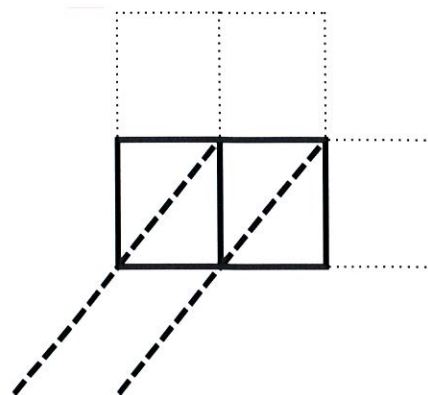
a.

$$\begin{array}{r} 47 \\ \times 3 \\ \hline \end{array}$$



b.

$$\begin{array}{r} 62 \\ \times 4 \\ \hline \end{array}$$



3) Josh, Matthew, and Noah drive together from their school to visit the zoo. Noah drives for 45 miles, and Josh drives two times as far as Noah. Then Matthew drives twice as far as Josh and Noah combined, which gets them to the zoo. How far did Matthew drive?

Estimate: _____

Number models with unknowns: _____

Answer: _____ miles

Is your answer reasonable? Explain.

Unit 4 Review (continued)

4) a. Find the number of millimeters.

Liters (L)	Milliliters (mL)
1	
4	
8	
17	

b. Explain how you found how many milliliters are in 8 liters.

5) a. Find the number of grams.

Kilograms (kg)	Grams (g)
3	
7	
14	
25	

b. Explain how you found how many grams are in 7 kilograms.

Unit 4 Review (continued)

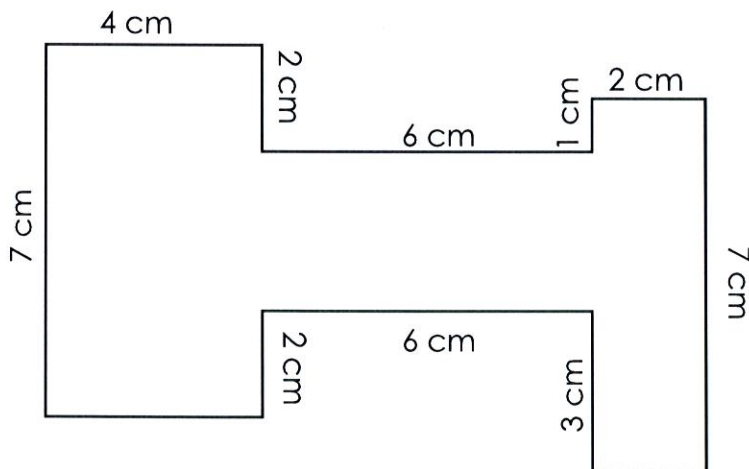
6) Arun is buying a video game console for \$384. He paid for the console using two \$100 bills, 14 \$10 bills, and 28 \$1 bills. How much did Arun pay?

a. Write number models to show your thinking.

b. Did he pay the exact amount, too little, or too much? _____

Explain.

7) Find the area and perimeter of the shape below.



a. Area: _____ square centimeters

b. Perimeter: _____ centimeters

Name: ***ANSWER KEY***

Date: _____

EVERYDAY MATHEMATICS—4th Grade
Unit 4 Review: Multidigit Multiplication

1) Solve.

a. $40 \times 30 = \underline{1,200}$

b. $60 \times 90 = \underline{5,400}$

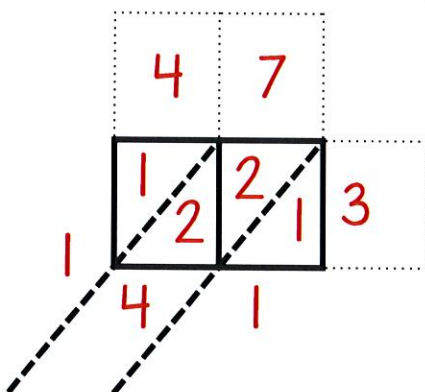
c. $500 \times 8 = \underline{4,000}$

d. $8,000 \times 4 = \underline{32,000}$

2) Use partial-products multiplication or the lattice method to solve.

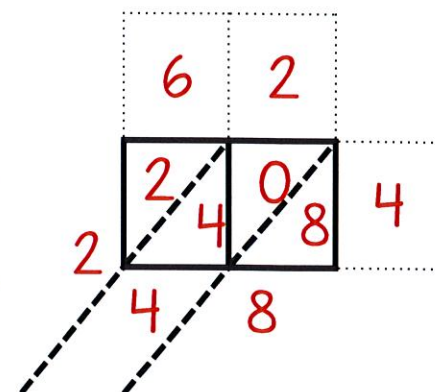
a.

	4	7	
X		3	
	1	2	0
+	2	1	
	1	4	1



b.

	6	2	
X		4	
	2	4	0
+		8	
	2	4	8



3) Josh, Matthew, and Noah drive together from their school to visit the zoo. Noah drives for 45 miles, and Josh drives two times as far as Noah. Then Matthew drives twice as far as Josh and Noah combined, which gets them to the zoo. How far did Matthew drive?

Estimate: **Possible answer: $50 + (2 \times 50) = 150$; $2 \times 150 = 300$** Number models with unknowns: **Possible answer: $45 + (2 \times 45) = c$; $2 \times 135 = 270$** Answer: **270** miles

Is your answer reasonable? Explain.

Possible answer: Yes, my answer is reasonable. It is 30 miles less than my estimate, which make sense because I rounded up.

Unit 4 Review (continued) *ANSWER KEY*

4) a. Find the number of millimeters.

Liters (L)	Milliliters (mL)
1	1,000
4	4,000
8	8,000
17	17,000

b. Explain how you found how many milliliters are in 8 liters.

Possible answer: I know that there are 1,000 milliliters in 1 liter. So if there are 8 liters, I need to multiply 1,000 by 8, which is 8,000 milliliters.

5) a. Find the number of grams.

Kilograms (kg)	Grams (g)
3	3,000
7	7,000
14	14,000
25	25,000

b. Explain how you found how many grams are in 7 kilograms.

Possible answer: I know that there 1,000 grams in 1 kilogram, so I multiplied 7 by 1,000 to get 7,000 grams.

Unit 4 Review (continued) *ANSWER KEY*

- 6) Arun is buying a video game console for \$384. He paid for the console using two \$100 bills, 14 \$10 bills, and 28 \$1 bills. How much did Arun pay?

a. Write number models to show your thinking.

Possible answer: $2 \times 100 = 200$; $14 \times 10 = 140$; $28 \times 1 = 28$; $200 + 140 + 28 = 368$

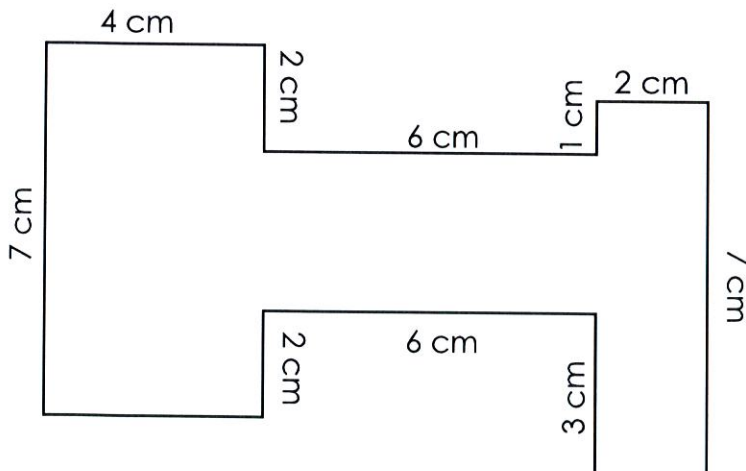
- b. Did he pay the exact amount, too little, or too much? too little

Explain.

Possible answer: He paid \$368, which is less than \$384. $384 - 368 = 16$, so

Arun owes the cashier \$16 more.

- 7) Find the area and perimeter of the shape below.



a. Area: 60 square centimeters

b. Perimeter: 46 centimeters