

Grade 5 Math Sample Worksheet

Student Name: _____

Date: _____

Notes:

Estimate the product.

$$65.8 \times 3.87$$

Round to the nearest whole number for estimating the product of decimals.

65.8 rounds off to 70

3.87 rounds off to 4

Therefore, the estimated product = $70 \times 4 = 280$.

Multiplying Decimal numbers:

$$641.85 \times 4 = ?$$

$$\begin{array}{r} 641.85 \\ \times 4 \\ \hline \end{array}$$

$$2567.40$$

It has 2 decimal places.



We place the decimal points so that there are 2 decimal places from one's place.

$$73.24 \times 5.1 = ?$$

$$\begin{array}{r} 73.24 \\ \times 5.1 \\ \hline 7324 \\ + 366200 \\ \hline 373.524 \end{array}$$

2 decimal places

+1 decimal place

We place the decimal point so that there are 3 decimal places from one's place.

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1. Solve.

a. 2.16×1000	b. 0.587×100
c. 69.714×100	d. 1.79×2
e. 618.48×5	f. 54.26×1.4
g. 0.07×0.7	h. 0.022×0.04

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2. Sara is multiplying two factors, one with one decimal place and one with two decimal places. She says the product could have two decimal places. Is she correct? Explain.

Show Your Work	Rough Work/Verify Work
Final Answer (With Units):	

3. Helena clears a rectangular region in her yard for a garden. If the length is a one-digit whole number and the width is 5.5 meters, what is the least possible area? What is the greatest possible area? Explain how you found your answers.

Show Your Work	Rough Work/Verify Work
Final Answer (With Units):	

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4. The airline that Veronica is using has a weight limit of 41 pounds. She has two green bags, each weighing 16.8 pounds and one blue bag weighing 4.7 pounds. What is the combined weight of her baggage?

Show Your Work	Rough Work/Verify Work
Final Answer (With Units):	

5. There are 96 students in the class and 9024 eggs. If the eggs are divided equally among the students, how many does each student get?

Show Your Work	Rough Work/Verify Work
Final Answer (With Units):	

6. For a science club party, the teacher bought three boxes of cookies. The boxes cost \$13.25, \$14.35 and \$16.75. About how much money did the three boxes of cookies cost all together?

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7. A parking garage wants to collect \$684 in parking fees. If the garage charges \$27 for each car, about how many cars will it take for the garage to meet the goal? Choose the best estimate.
8. Which of the following shows the number 60 factored into prime numbers?
- a. 2×30
 - b. 3×20
 - c. $3 \times 2 \times 10$
 - d. $2 \times 2 \times 3 \times 5$
9. Benny worked 33.25 hours last week and 23.75 hours this week. How many total hours did she work? Use mental math to solve.
- a. 46 hours
 - b. 47 hours
 - c. 56 hours
 - d. 57 hours
10. Credit cards are 0.76 mm thick. How thick is a stack of 1000 credit cards piled one on top of the other?
- a. 760 mm
 - b. 76mm
 - c. 0.076mm
 - d. 0.00076mm