

Estimate Products

Guided Practice



Estimate each product. (Examples 1 and 2)

1. $5.8 \times 4 \approx$ _____

2. $13.92 \times 2.7 \approx$ _____

3. $94.89 \times 3.11 \approx$ _____

Show your work.

4. **Financial Literacy** A grocery store sells American cheese for \$3.89 per pound. About how much would 1.89 pounds of the cheese cost?
(Examples 3 and 4)

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5. Greg has 52 megabytes left on his MP3 player. He wants to download 7 songs that each use 7.9 megabytes of memory. He estimates that he will need 56 megabytes of memory. Is his estimate reasonable? Explain your reasoning. (Example 5)

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Independent Practice

Estimate each product. (Examples 1 and 2)

1. $9.7 \times 3.3 \approx$ _____

2. $3.4 \times 5.6 \approx$ _____

3. $17.5 \times 8.4 \approx$ _____

Show your work.

4. $44.8 \times 5.1 \approx$ _____

5. $28.21 \times 8.02 \approx$ _____

6. $71.92 \times 2.01 \approx$ _____

7. On average, the U.S. produces 36.5 million tons of fruit each year. About how much fruit does it produce in 2.25 years? (Examples 3 and 4)


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8. Lisha is making headbands using ribbon. She would like to make 12 headbands. Each one requires 15.5 inches of ribbon. She estimates that she will need to buy 160 inches of ribbon. Is her estimate reasonable? Explain your reasoning. (Example 5)

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
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-  **Financial Literacy** Hannah's hourly wage at the ice cream shop is \$5.85. The table shows the number of hours she worked. She estimates her earnings to be \$120. Without calculating her actual earnings, determine if her estimate is more or less than her actual earnings. Explain your reasoning.

Day	Hours Worked
Monday	3.5
Tuesday	4.25
Wednesday	3.75
Thursday	2.5
Friday	4.75


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
10.  **MEASUREMENT** A car releases 19.6 pounds of carbon dioxide for every 1 gallon of gasoline burned. Estimate the number of pounds of carbon dioxide released if 14.5 gallons are burned.

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 **Standardized Test Practice**

15. Green peppers are on sale for \$2.89 per pound. Mrs. Moseley bought 1.75 pounds of peppers. About how much did she pay for the peppers?
- (A) less than \$4 (C) between \$6 and \$7
- (B) between \$5 and \$6 (D) more than \$7

19.  **MEASUREMENT** A single year on Saturn is equal to 29.4 years on Earth. About how many Earth-years are equal to 3.2 years on Saturn?

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20. Miguel received a \$50 gift card to a bookstore. He would like to buy 3 books that cost \$15.75 each including tax. He estimates that he cannot buy all three books because each book costs about \$20, and all three books would cost \$60. Is his estimate reasonable? Explain your reasoning.

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