

# Estimating Decimal Multiplication

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. Round 4.7 to the nearest whole number and multiply by 3.9 rounded. What is the estimated product?

2. Estimate  $5.2 \times 6.8$  by rounding. What is the estimated product?

3. If a pencil costs \$1.25 and you want to buy 4, estimate the total cost by rounding.

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4. Round 2.3 and 7.9, then multiply the rounded numbers. What is the estimated product?

5. Estimate the product of 3.5 and 2.4. Is it greater than or less than 10?

6. Estimate  $8.1 \times 2.6$  by rounding. What is the estimated product?

7. A book costs \$12.75. You buy 3 books. Estimate the total price by rounding.

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8. The estimated product of 9.9 and 1.1 is 10.

True  False

9. What comes next if you estimate  $2.6 \times 3.1$  as  $3 \times 3$ ? \_\_\_\_\_

10. If you save \$5.50 each week for 6 weeks, estimate the total amount saved.

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11. Estimate  $7.4 \times 5.3$ . Is it greater than or less than 40?

12. Round 6.2 to the nearest whole number and multiply by 4.1 rounded. What is the estimated product?

13. A box holds 3.5 liters of juice. If you fill 4 boxes, estimate the total volume.

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14. Estimate  $0.8 \times 4.7$  by rounding. What is the estimated product?

15. If a shirt costs \$15.99 and you buy 2, estimate the total cost.

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**Answer Key**

1. 15   2. 36   3. 5   4. 16   5. Less than 10   6. 20   7. 40   8. True   9. 9   10. 30   11. Greater than 40   12. 25   13. 14   14. 4   15. 30

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