

Name: _____

Date: _____

Score: _____ / 19

Decimal Operations & Estimation

Multiplying and dividing decimals, and estimating to check an answer is reasonable.

Multiply count total decimal places	Divide shift both until divisor is whole	Estimate round to a friendly number	Check is the answer reasonable?
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Section A — Multiplying Decimals

Find each product.

1. $2.5 \times 3.4 =$ _____

2. $0.75 \times 1.2 =$ _____

3. $6.4 \times 0.25 =$ _____

4. $12.5 \times 0.08 =$ _____

5. $3.6 \times 2.5 =$ _____

6. $0.9 \times 0.45 =$ _____

Section B — Dividing Decimals

Find each quotient.

7. $7.5 \div 0.5 =$ _____

8. $9.6 \div 0.4 =$ _____

9. $15.75 \div 2.5 =$ _____

10. $4.8 \div 0.16 =$ _____

11. $22.4 \div 0.7 =$ _____

12. $6.3 \div 0.9 =$ _____

Section C — Estimating

Round, then multiply.

13. Estimate $48.7 \times 3.2 =$ _____

14. Estimate $19.4 \times 4.9 =$ _____

15. Estimate $102.6 \times 5.1 =$ _____

16. Estimate $61.3 \times 7.8 =$ _____

Section D — Word Problems

Show your work.

17. 12.5 L of fuel at \$1.48/L. Cost?

18. A 4.8 m rope is cut into 0.6 m lengths. How many?

19. Estimate the cost of 19 items at \$4.95 each.

Decimal Operations & Estimation — Answer Key

For marking. Accept equivalent correct forms.

Section A — Multiplying Decimals

1. 8.5

2. 0.9

3. 1.6

4. 1

5. 9

6. 0.405

Section B — Dividing Decimals

7. 15

8. 24

9. 6.3

10. 30

11. 32

12. 7

Section C — Estimating

13. 147

14. 95

15. 515

16. 488

Section D — Word Problems

17. \$18.5

18. 8

19. \$100
