Dividing Decimals by Whole Numbers

Name: _____

Grade 5 · Divide a decimal by a whole number and place the point in the quotient

Worked example

$$5\overline{)\,7.35} = 1.47$$

Divide the same way you divide whole numbers. Before you start, put a decimal point in the quotient **straight above** the point in the dividend.
7.35 ÷ 5: think 735 ÷ 5 = 147, so the answer is **1.47**.
Check by multiplying: 1.47 × 5 = 7.35.

1.

$$4\overline{)\,8.4}$$

2.

$$3\overline{)\,9.6}$$

3.

$$5\overline{)\,7.5}$$

4.

$$8\overline{)\,0.72}$$

5.

$$3\overline{)\,6.39}$$

6.

$$6\overline{)\,4.56}$$

7.

$$7\overline{)\,12.6}$$

8.

$$9\overline{)\,0.45}$$

9.

$$5\overline{)\,25.5}$$

10.

$$4\overline{)\,3.92}$$

11.

$$8\overline{)\,16.24}$$

12.

$$12\overline{)\,43.2}$$

Dividing Decimals by Whole Numbers (Answer Key)

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7.35 ÷ 5: think 735 ÷ 5 = 147, so the answer is **1.47**.
Check by multiplying: 1.47 × 5 = 7.35.

1. $4\overline{)\,8.4} = 2.1$

Check: 2.1 × 4 = 8.4

2. $3\overline{)\,9.6} = 3.2$

Check: 3.2 × 3 = 9.6

3. $5\overline{)\,7.5} = 1.5$

Check: 1.5 × 5 = 7.5

4. $8\overline{)\,0.72} = 0.09$

Check: 0.09 × 8 = 0.72

5. $3\overline{)\,6.39} = 2.13$

Check: 2.13 × 3 = 6.39

6. $6\overline{)\,4.56} = 0.76$

Check: 0.76 × 6 = 4.56

7. $7\overline{)\,12.6} = 1.8$

Check: 1.8 × 7 = 12.6

8. $9\overline{)\,0.45} = 0.05$

Check: 0.05 × 9 = 0.45

9. $5\overline{)\,25.5} = 5.1$

Check: 5.1 × 5 = 25.5

10. $4\overline{)\,3.92} = 0.98$

Check: 0.98 × 4 = 3.92

11. $8\overline{)\,16.24} = 2.03$

Check: 2.03 × 8 = 16.24

12. $12\overline{)\,43.2} = 3.6$

Check: 3.6 × 12 = 43.2