

Name: _____

DIVIDING DECIMALS BY WHOLE NUMBERS



Use the bus stop method to divide decimals easily.

1. Set up the bus stop.
2. Ensure the decimal point in the number you're dividing and the decimal point in your answer are in the same position.
3. Divide as normal.



For example $4.8 \div 4$

$$\begin{array}{r} 1 \cdot 2 \\ 4 \overline{) 4 \cdot 8} \end{array}$$

1) $6.3 \div 3$

$$\begin{array}{r} 2 \cdot 1 \\ 3 \overline{) 6 \cdot 3} \end{array}$$

2) $9.6 \div 4$

$$\begin{array}{r} 2 \cdot 4 \\ 4 \overline{) 9 \cdot 6} \end{array}$$

3) $7.5 \div 5$

$$\begin{array}{r} 1 \cdot 5 \\ 5 \overline{) 7 \cdot 5} \end{array}$$

4) $7.7 \div 7$

$$\begin{array}{r} 1 \cdot 1 \\ 7 \overline{) 7 \cdot 7} \end{array}$$

5) $8.4 \div 6$

$$\begin{array}{r} 1 \cdot 4 \\ 6 \overline{) 8 \cdot 4} \end{array}$$

Now try these: There are empty bus stop grids on the next page to help you set up your calculations.

6. $14.4 \div 3 = 4.8$

7. $16.5 \div 5 = 3.3$

8. $19.2 \div 4 = 4.8$

9. $27.6 \div 6 = 4.6$

10. $24.8 \div 8 = 3.1$

11. $36.4 \div 2 = 18.2$

12. $45.6 \div 4 = 11.4$

13. $54.9 \div 3 = 18.3$

14. $63.7 \div 7 = 9.1$

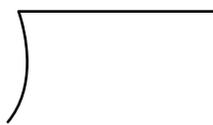
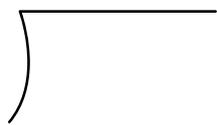
15. $98.4 \div 8 = 12.3$

Remember!

Double-check your decimal points! Make sure they are lined up in the question and the answer.

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Problem Solving Questions

1. Lucy bought a piece of ribbon that is 12.6 metres long. She wants to cut it into 6 equal pieces. How long will each piece be? $6 \overline{)12.6}$ 2.1m

2. Tom ran 9.3 km over 3 days. If he ran the same distance each day, how far did he run per day? $3 \overline{)9.3}$ 3.1 km

3. A bag of sugar weighs 24.9 kilograms and needs to be packed into 3 equal containers. How much sugar will go into each container? $3 \overline{)24.9}$ 8.3kg

4. A recipe calls for 4.8 litres of juice to make 4 servings. How much juice is needed for each serving? $4 \overline{)4.8}$ 1.2L

