

Dividing Whole Numbers by Decimals

Name: _____

Date: _____

Instructions:

To divide a whole number by a decimal, first convert the divisor to a whole number by multiplying both the divisor and dividend by the same power of 10. Then complete the division.

Example: $48 \div 0.6 = 480 \div 6 = 80$

Section A: Basic Division (divisor has 1 decimal place)

1. $24 \div 0.4 =$ _____
2. $36 \div 0.9 =$ _____
3. $56 \div 0.8 =$ _____
4. $72 \div 0.6 =$ _____
5. $45 \div 0.5 =$ _____

Section B: Division (divisor has 2 decimal places)

6. $84 \div 0.12 =$ _____
7. $96 \div 0.16 =$ _____
8. $150 \div 0.25 =$ _____
9. $78 \div 0.15 =$ _____
10. $144 \div 0.18 =$ _____

Section C: Mixed Practice

11. $125 \div 0.5 =$ _____
12. $180 \div 0.36 =$ _____
13. $210 \div 0.7 =$ _____
14. $320 \div 0.64 =$ _____
15. $156 \div 0.12 =$ _____

Section D: Word Problems

16. A piece of ribbon 48 metres long is cut into pieces that are 0.8 metres each. How many pieces are there?

Answer: _____

17. A water tank holds 450 litres. If each bottle holds 0.75 litres, how many bottles can be filled?

Answer: _____