



Decimal Place Value Puzzles

To multiply and divide numbers by 10, 100 and 1000 to solve number puzzles.



Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to calculate the answers to these missing number puzzles:

$$\boxed{4.8} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 5} \rightarrow \boxed{\times 10} = \triangle$$

$$\boxed{3.9} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 3} \rightarrow \boxed{\times 10} = \triangle$$

$$\boxed{2956} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 4} \rightarrow \boxed{\div 10} = \triangle$$

$$\boxed{9876} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 8} \rightarrow \boxed{\div 10} = \triangle$$

$$\boxed{8.27} \rightarrow \boxed{\times 1000} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 9} \rightarrow \boxed{\div 100} = \triangle$$

$$\boxed{29\,774} \rightarrow \boxed{\div 1000} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 6} \rightarrow \boxed{\div 10} = \triangle$$



Decimal Place Value Puzzles

To multiply and divide numbers by 10, 100 and 1000 to solve number puzzles.



Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to find the value of the shapes in these missing number puzzles:

$$\boxed{7.3} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 5} \rightarrow \boxed{\times 10} = \triangle$$

$$\boxed{8.2} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 3} \rightarrow \boxed{\times 10} = \triangle$$

$$\boxed{5920} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 4} \rightarrow \boxed{\div 10} = \triangle$$

$$\boxed{9943} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \times \triangle \rightarrow \boxed{\div 10} = 79.544$$

$$\boxed{4.47} \rightarrow \boxed{\times 1000} \rightarrow \boxed{\div 10} \rightarrow \times \triangle \rightarrow \boxed{\div 100} = 40.23$$

$$\boxed{65\,286} \rightarrow \boxed{\div 1000} \rightarrow \boxed{\times 10} \rightarrow \times \triangle \rightarrow \boxed{\div 10} = 391.716$$



Decimal Place Value Puzzles

To multiply and divide numbers by 10, 100 and 1000 to solve number puzzles.



Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to find the value of the shapes in these missing number puzzles:

$$7.325 \rightarrow \times 100 \rightarrow \times 10 \rightarrow \times 2 \rightarrow \div 1000 = \triangle$$

$$82\,902 \rightarrow \div 1000 \rightarrow \div 10 \rightarrow \times 2 \rightarrow \times 100 = \triangle$$

$$463.2 \rightarrow \div 2 \rightarrow \div 100 \rightarrow \times 3 \rightarrow \div 100 \rightarrow \times 10 = \triangle$$

$$5.894 \rightarrow \times 100 \rightarrow \times 10 \rightarrow \times \triangle \rightarrow \div 10 = 1768.2$$

$$37\,926 \rightarrow \div 100 \rightarrow \div 10 \rightarrow \times \triangle \rightarrow \div 10 = 9.4815$$

$$9948.88 \rightarrow \div 2 \rightarrow \div 10 \rightarrow \times \triangle \rightarrow \div 100 \rightarrow \times 10 = 248.722$$



Decimal Place Value Puzzles **Answers**

Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to calculate the answers to these missing number puzzles:

$$\boxed{4.8} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 5} \rightarrow \boxed{\times 10} = \mathbf{24\,000}$$

$$\boxed{3.9} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 3} \rightarrow \boxed{\times 10} = \mathbf{11\,700}$$

$$\boxed{2956} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 4} \rightarrow \boxed{\div 10} = \mathbf{11.824}$$

$$\boxed{9876} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 8} \rightarrow \boxed{\div 10} = \mathbf{79.008}$$

$$\boxed{8.27} \rightarrow \boxed{\times 1000} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 9} \rightarrow \boxed{\div 100} = \mathbf{74.43}$$

$$\boxed{29\,774} \rightarrow \boxed{\div 1000} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 6} \rightarrow \boxed{\div 10} = \mathbf{178.644}$$



Decimal Place Value Puzzles **Answers**

Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to find the value of the shapes in these missing number puzzles:

$$\boxed{7.3} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 5} \rightarrow \boxed{\times 10} = \mathbf{36\,500}$$

$$\boxed{8.2} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 3} \rightarrow \boxed{\times 10} = \mathbf{24\,600}$$

$$\boxed{5920} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 4} \rightarrow \boxed{\div 10} = \mathbf{23.68}$$

$$\boxed{9943} \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 8} \rightarrow \boxed{\div 10} = \mathbf{79.544}$$

$$\boxed{4.47} \rightarrow \boxed{\times 1000} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 9} \rightarrow \boxed{\div 100} = \mathbf{40.23}$$

$$\boxed{65\,286} \rightarrow \boxed{\div 1000} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 6} \rightarrow \boxed{\div 10} = \mathbf{391.716}$$



Decimal Place Value Puzzles **Answers**

Use your place value understanding of multiplying and dividing by 10, 100 and 1000 to find the value of the shapes in these missing number puzzles:

$$\boxed{7.325} \rightarrow \boxed{\times 100} \rightarrow \boxed{\times 10} \rightarrow \boxed{\times 2} \rightarrow \boxed{\div 1000} = 14.65$$

$$\boxed{82\ 902} \rightarrow \boxed{\div 1000} \rightarrow \boxed{\div 10} \rightarrow \boxed{\times 2} \rightarrow \boxed{\times 100} = 1658.04$$

$$\boxed{463.2} \rightarrow \boxed{\div 2} \rightarrow \boxed{\div 100} \rightarrow \boxed{\times 3} \rightarrow \boxed{\div 100} \rightarrow \boxed{\times 10} = 0.6948$$

$$\boxed{5.894} \rightarrow \boxed{\times 100} \rightarrow \boxed{\times 10} \rightarrow \times 3 \rightarrow \boxed{\div 10} = 1768.2$$

$$\boxed{37\ 926} \rightarrow \boxed{\div 100} \rightarrow \boxed{\div 10} \rightarrow \times 2.5 \rightarrow \boxed{\div 10} = 9.4815$$

$$\boxed{9948.88} \rightarrow \boxed{\div 2} \rightarrow \boxed{\div 10} \rightarrow \times 5 \rightarrow \boxed{\div 100} \rightarrow \boxed{\times 10} = 248.722$$