

# Multiplying and Dividing Decimals by 10, 100 and 1000 with Missing Numbers

1. Use the multiplication and division facts below to fill in the missing numbers to complete the calculations

Multiplication/Division Fact	Missing number calculation
$6.4 \times 10 = 64$	$64 \div 10 =$
$75 \div 10 = 7.5$	$7.5 \times 10 =$
$6530 \div 100 = 65.3$	$65.3 \times 100 =$
$24.5 \times 100 = 2450$	$2450 \div 100 =$
$7.6 \times 1000 = 7600$	$7600 \div 1000 =$
$45 \div 100 = 0.45$	$0.45 \times 100 =$

2. Fill in the missing numbers in these multiplication calculations:

a.  $53 \times \underline{\hspace{2cm}} = 530$

b.  $\underline{\hspace{2cm}} \times 10 = 340$

c.  $38 \times \underline{\hspace{2cm}} = 3800$

d.  $\underline{\hspace{2cm}} \times 1000 = 4000$

3. Fill in the missing numbers in these division calculations:

a.  $67 \div \underline{\hspace{2cm}} = 6.7$

b.  $854 \div \underline{\hspace{2cm}} = 8.54$

c.  $\underline{\hspace{2cm}} \div 1000 = 3$

d.  $\underline{\hspace{2cm}} \div 100 = 0.53$

4. Complete the following table

	$\times 10$	$\div 10$
467		
	560	
		0.7
23		

# Answers

1. Use the multiplication and division facts below to fill in the missing numbers to complete the calculations

Multiplication/Division Fact	Missing number calculation
$6.4 \times 10 = 64$	$64 \div 10 = \mathbf{6.4}$
$75 \div 10 = 7.5$	$7.5 \times 10 = \mathbf{75}$
$6530 \div 100 = 65.3$	$65.3 \times 100 = \mathbf{6530}$
$24.5 \times 100 = 2450$	$2450 \div 100 = \mathbf{24.5}$
$7.6 \times 1000 = 7600$	$7600 \div 1000 = \mathbf{7.6}$
$45 \div 100 = 0.45$	$0.45 \times 100 = \mathbf{45}$

2. Fill in the missing numbers in these multiplication calculations:

a.  $53 \times \mathbf{10} = 530$

b.  $\mathbf{34} \times 10 = 340$

c.  $38 \times \mathbf{100} = 3800$

d.  $\mathbf{4} \times 1000 = 4000$

3. Fill in the missing numbers in these division calculations:

a.  $67 \div \mathbf{10} = 6.7$

b.  $854 \div \mathbf{100} = 8.54$

c.  $\mathbf{3000} \div 1000 = 3$

d.  $\mathbf{53} \div 100 = 0.53$

4. Complete the following table

	$\times 10$	$\div 10$
467	<b>4670</b>	<b>46.7</b>
<b>56</b>	560	<b>5.6</b>
<b>7</b>	<b>70</b>	0.7
23	<b>230</b>	<b>2.3</b>

# Multiplying and Dividing Decimals by 10, 100 and 1000 with Missing Numbers

1. Fill in the missing numbers in these multiplication calculations:

a.  $476 \times \underline{\hspace{2cm}} = 4760$

b.  $\underline{\hspace{2cm}} \times 10 = 24$

c.  $75 \times \underline{\hspace{2cm}} = 7500$

d.  $\underline{\hspace{2cm}} \times 1000 = 5670$

e.  $73.4 \times \underline{\hspace{2cm}} = 340$

f.  $\underline{\hspace{2cm}} \times 10 = 8670$

2. Fill in the missing numbers in these division calculations:

a.  $765 \div \underline{\hspace{2cm}} = 7.65$

b.  $\underline{\hspace{2cm}} \div 10 = 18$

c.  $\underline{\hspace{2cm}} \div 1000 = 9.56$

d.  $23 \div \underline{\hspace{2cm}} = 0.23$

e.  $\underline{\hspace{2cm}} \div 10 = 6.8$

f.  $340 \div \underline{\hspace{2cm}} = 0.34$

3. Complete the following table

	$\times 10$	$\div 10$	$\times 100$	$\div 100$
38				
		7.4		
			6730	
				0.45
	579			
			7650	

# Answers

1. Fill in the missing numbers in these multiplication calculations:

a.  $476 \times 10 = 4760$

b.  $2.4 \times 10 = 24$

c.  $75 \times 100 = 7500$

d.  $5.67 \times 1000 = 5670$

e.  $73.4 \times 100 = 7340$

f.  $867 \times 10 = 8670$

2. Fill in the missing numbers in these division calculations:

a.  $765 \div 100 = 7.65$

b.  $180 \div 10 = 18$

c.  $6560 \div 1000 = 6.56$

d.  $23 \div 100 = 0.23$

e.  $68 \div 10 = 6.8$

f.  $340 \div 1000 = 0.34$

3. Complete the following table

	$\times 10$	$\div 10$	$\times 100$	$\div 100$
38	380	3.8	3800	0.38
74	740	7.4	7400	0.74
67.3	673	6.73	6730	0.673
45	450	4.5	4500	0.45
57.9	579	5.79	5790	0.579
76.5	765	7.65	7650	0.765

# Multiplying and Dividing Decimals by 10, 100 and 1000 with Missing Numbers

1. Fill in the missing numbers in the following multiplication and division calculations:

a.  $567 \div \underline{\hspace{2cm}} = 5.67$

b.  $\underline{\hspace{2cm}} \times 10 = 6.7$

c.  $\underline{\hspace{2cm}} \div 1000 = 4.578$

d.  $29 \times \underline{\hspace{2cm}} = 2900$

e.  $657 \times \underline{\hspace{2cm}} = 6570$

f.  $\underline{\hspace{2cm}} \div 100 = 72$

g.  $\underline{\hspace{2cm}} \times 1000 = 6700$

h.  $487 \div \underline{\hspace{2cm}} = 4.87$

i.  $71 \div \underline{\hspace{2cm}} = 0.071$

j.  $\underline{\hspace{2cm}} \times 100 = 34$

2. Complete the following table

	$\times 10$	$\div 10$	$\times 100$	$\div 100$	$\times 1000$	$\div 1000$
		86.3				
				04.238		
			378			
	489					
				0.3		
						0.08

# Answers

1. Fill in the missing numbers in the following multiplication and division calculations:

a.  $567 \div 100 = 5.67$

b.  $0.67 \times 10 = 6.7$

c.  $4578 \div 1000 = 4.578$

d.  $29 \times 100 = 2900$

e.  $657 \times 10 = 6570$

f.  $7200 \div 100 = 72$

g.  $6.7 \times 1000 = 6700$

h.  $487 \div 100 = 4.87$

i.  $71 \div 1000 = 0.071$

j.  $0.34 \times 100 = 34$

2. Complete the following table

	$\times 10$	$\div 10$	$\times 100$	$\div 100$	$\times 1000$	$\div 1000$
863	8630	86.3	86 300	8.63	863 000	0.863
423.8	4238	42.38	42 380	04.238	423 800	0.4238
3.78	37.8	0.378	378	0.0378	3780	0.00378
48.9	489	4.89	4890	0.489	48 900	0.0489
30	300	3	3000	0.3	30 000	0.03
80	800	8	8000	0.8	80 000	0.08