

# Multiplying and Dividing by 10, 100 and 1000

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

## Multiplying

X 10      digits move LEFT **1** space  
X 100    digits move LEFT **2** spaces  
X 1000   digits move LEFT **3** spaces



## Dividing

÷ 10      digits move RIGHT **1** space  
÷ 100    digits move RIGHT **2** spaces  
÷ 1000   digits move RIGHT **3** spaces



0	1	2	3	4	5	6	7	8	9
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# Multiplying and Dividing by 10, 100 and 1000

Use your number cards and template worksheet to help you answer these questions:

- a)  $7 \times 10 =$
- b)  $13 \times 10 =$
- c)  $5.43 \times 10 =$
- d)  $34.1 \times 100 =$
- e)  $32 \times 100 =$
- f)  $1.234 \times 100 =$
- g)  $3.2 \times 1000 =$
- h)  $0.32 \times 1000 =$
- i)  $0.001 \times 1000 =$
- j)  $43 \div 10 =$
- k)  $432 \div 10 =$
- l)  $0.2 \div 10 =$
- m)  $432 \div 100 =$
- n)  $121.3 \div 100 =$
- o)  $0.2 \div 100 =$

- p)  $3234 \div 1000 =$
- q)  $433 \div 1000 =$
- r)  $7 \div 1000 =$
- s)  $0.003 \times 10 =$
- t)  $32.003 \times 100 =$
- u)  $399.9 \div 10 =$
- v)  $3.333 \times 1000 =$
- w)  $87230 \div 1000 =$
- x)  $0.203 \times 100 =$
- y)  $0.001 \times 10\ 000 =$
- z)  $132.345 \div 1000 =$

Finished? Make up some of your own then solve them

# Multiplying and Dividing by 10, 100 and 1000

## ANSWERS

- a)  $7 \times 10 = 70$   
b)  $13 \times 10 = 130$   
c)  $5.43 \times 10 = 54.3$   
d)  $34.1 \times 100 = 3410$   
e)  $32 \times 100 = 3200$   
f)  $1.234 \times 100 = 123.4$   
g)  $3.2 \times 1000 = 3200$   
h)  $0.32 \times 1000 = 320$   
i)  $0.001 \times 1000 = 1$   
j)  $43 \div 10 = 4.3$   
k)  $432 \div 10 = 43.2$   
l)  $0.2 \div 10 = 0.02$   
m)  $432 \div 100 = 4.32$   
n)  $121.3 \div 100 = 1.213$   
o)  $0.2 \div 100 = 0.002$   
p)  $3234 \div 1000 = 3.234$   
q)  $433 \div 1000 = 0.433$   
r)  $7 \div 1000 = 0.007$   
s)  $0.003 \times 10 = 0.03$   
t)  $32.003 \times 100 = 3200.3$   
u)  $399.9 \div 10 = 39.99$   
v)  $3.333 \times 1000 = 3333$   
w)  $87230 \div 1000 = 87.23$   
x)  $0.203 \times 100 = 20.3$   
y)  $0.001 \times 10\ 000 = 10$   
z)  $132.345 \div 1000 = 0.132345$

Finished? Make up some of your own then solve them