

Multiplying and Dividing by 10, 100 and 1000

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