Arithmetic

w/c 05/10/2020

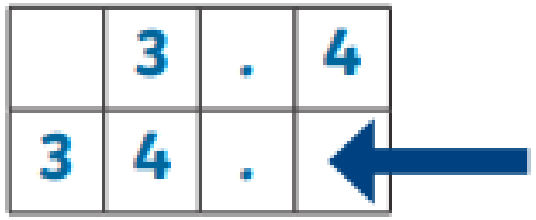
Multiplying decimals by 10

Multiplying Decimals by 10

When multiplying a decimal number by 10, the value of each digit is multiplied by 10.

Each digit moves 1 place to the left because multiplying by 10 increases the number.

$$3.4 \times 10 = 34$$



Remember:

1. Keep the digits together.

Don't let any 0s jump in!

$3.4 \times 10 = 3\cancel{0}4$

2. Round to check:

$3.4 \times 10 = 34$

use $3 \times 10 = 30$

Top tips:

Line up your decimal point first.

Digits move **one place to the left**.

Now try these:

a) 4.2 x 10 =
b) 32.8 x 10 =
c) 20.45 x 10 =
d) 5.08 x 10 =
e) 10.02 x 10 =
f) 40.80 x 10 =
g) 100.51 x 10 =
h) 78.009 x 10 =
i) 8009.04 x 10 =
j) 5090.01 x 10 =

Remember to estimate to check your answer is correct.

Arithmetic

w/c 12/10/2020

Multiplying decimals by 100

Multiplying Decimals by 100

When multiplying a decimal number by 100, the value of each digit is multiplied by 100.

Each digit moves 2 place to the left because multiplying by 100 increases the number.

3.42 x 100 = 342

Remember:

1. Keep the digits together.

Don't let any 0s jump in!

3.42 x 100 = 3042

2. Round to check:

3.42 x 100 = 342

use 3 x 100 = 300

Top tips:

Line up your decimal point first.

Digits move **TWO place to the left**.

Now try these:

a) 6.3 x 100 =
b) 68.2 x 100 =
c) 12.84 x 100 =
d) 9.08 x 100 =
e) 12.07 x 100 =
f) 30.07 x 100 =
g) 300.72 x 100 =
h) 12.0007 x 100 =
i) 150.07 x 100 =
j) 8011.01 x 100 =

Remember to estimate to check your answer is correct.