# Multiplying by 10, 100 and 1000

Answer the following questions.

You can use place value cards and counters to help you.

**1.** (a) 4 x 100 =

(b) 75 x 10 =

(c) 21 x 1000 =

(d) 100 x 33 =

(e) 60 x 10 =

2. (a) 2400 ÷ 100 =

(b) 68 ÷ 10 =

(c) 350 ÷ 1000 =

(d) 9 ÷ 10 =

(e) 9 ÷ 1000 =

3. Work out

(a) 15 x 10 ÷ 100

(b) 6 ÷ 100 x 1000

3. Fill in the missing numbers in these calculations.

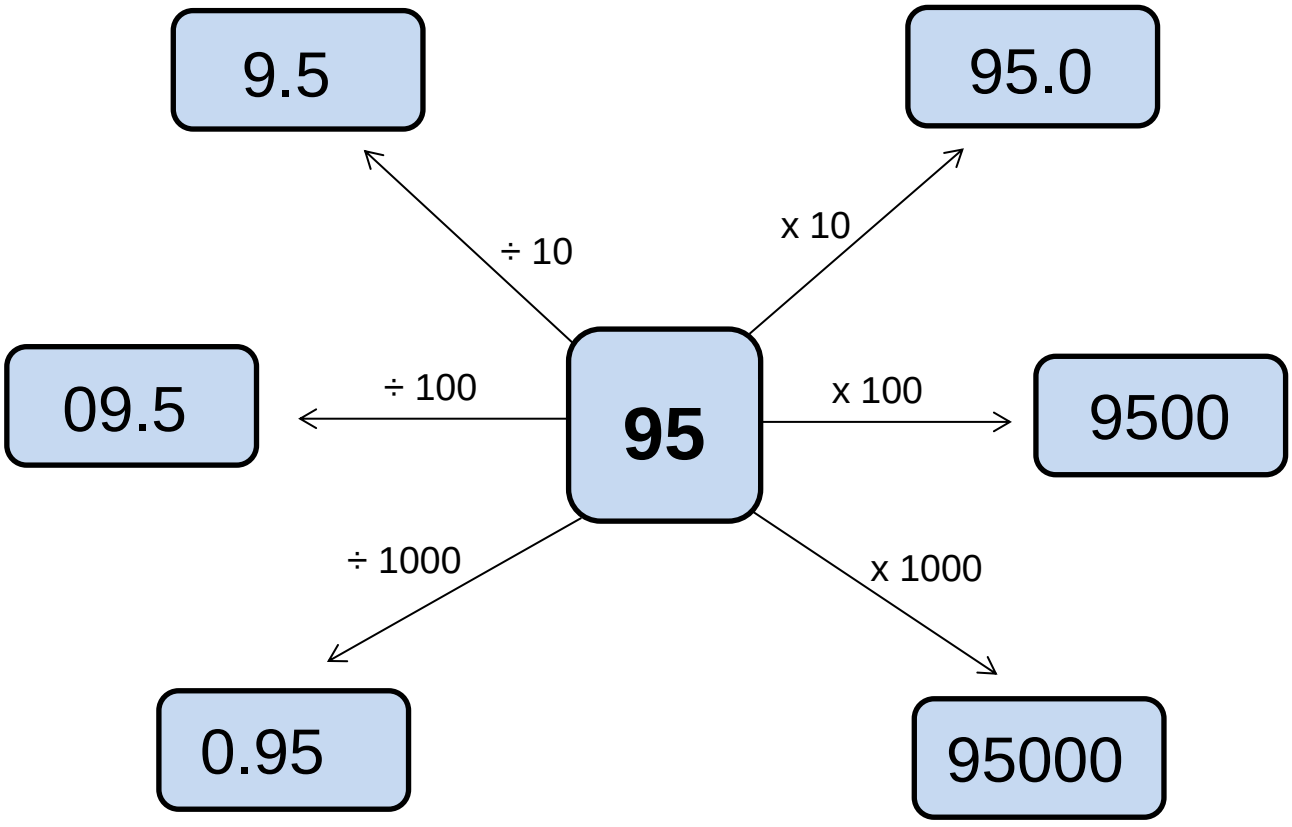
(a) 6 ÷ _____ = 0.6

(b) _____ x 100 = 4500

(c) 0.74 = 74 ÷ _____

(d) 1000 x _____ = 65800

4. Look at the diagram below.




Tick the boxes that are correct and put a cross next to the boxes that are incorrect.

In the space below **explain** what the correct answers should be.

5. Put these calculations in order from smallest to biggest.

| | | | | |
|---|---|---|---|---|
| $100 \times 540$ | $5.4 \times 1000$ | $5400 \div 10$ | $5400 \div 1000$ | $540 \div 10$ |

6. By using a number from column A, an operation from B and a number from C, how many ways can you find to make 70?

| A | B | C |
|---|---|---|
| 7 | × | 1 |
| 70 | | 10 |
| 700 | ÷ | 100 |
| 7000 | | 1000 |

There are more than 4 ways.

7. Can you find a path from 6 to 0.06?

You are not allowed to make diagonal moves.

| | | | |
|---|---|---|---|
| **6** | **x 10** | **x 10** | **÷ 100** |
| **÷ 10** | **x 100** | **x 100** | **÷ 10** |
| **x 10** | **÷ 10** | **÷ 1000** | **÷ 100** |
| **÷ 1000** | **x 1000** | **x 100** | **0.06** |

8. Work out the value of each symbol.

$7 \times 10 \times 10 \times$  $\times 10 = 21{,}000$

 $\times 100 \times$  $= 30{,}000$

 $\times$  $\div$  $= 3.6$

9.


B is 10 times bigger than A

C is 1000 times bigger than A

What is the value of C ÷ B?