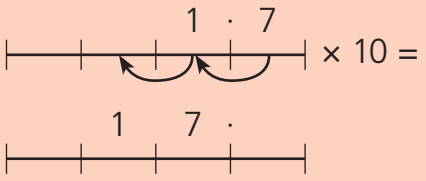
# Decimals

## Learn and revise

Follow these rules for multiplying and dividing numbers by 10 and 100.

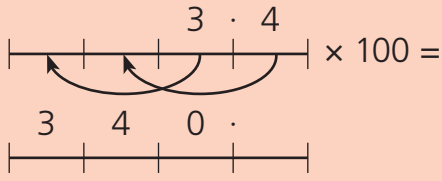
**To multiply by 10**

Move the digits **one** place to the **left**.



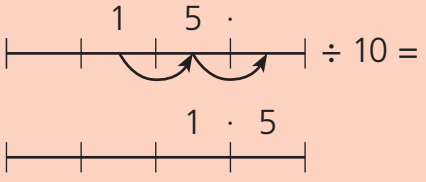

**To multiply by 100**

Move the digits **two** places to the **left**.



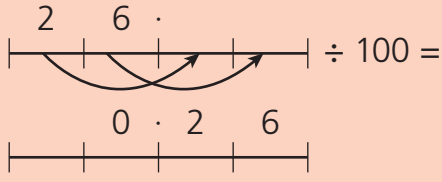

**To divide by 10**

Move the digits **one** place to the **right**.




**To divide by 100**

Move the digits **two** places to the **right**.




Fill any spaces with zeros. Putting a zero on the end of a decimal does not change the number.

1.2 is the same as 1.20 and 1.200

## Practice activities

**1.** Multiply these by 10 and write the answers.

**a)** 0.8 × 10 = _____

**b)** 9.1 × 10 = _____

**c)** 35.6 × 10 = _____

**d)** 0.42 × 10 = _____

**e)** 0.07 × 10 = _____

**f)** 8.35 × 10 = _____

**2.** Multiply these by 100 and write the answers.

**a)** 1.94 × 100 = _____ **b)** 5.2 × 100 = _____

**c)** 34.95 × 100 = _____ **d)** 0.6 × 100 = _____

**e)** 0.02 × 100 = _____ **f)** 47.05 × 100 = _____

**3.** Divide these by 10 and write the answers.

**a)** 96 ÷ 10 = _____ **b)** 8 ÷ 10 = _____

**c)** 143 ÷ 10 = _____ **d)** 5.2 ÷ 10 = _____

**e)** 0.4 ÷ 10 = _____ **f)** 7.06 ÷ 10 = _____

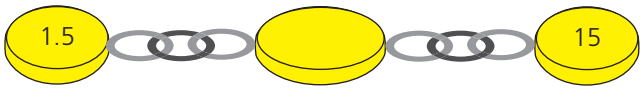
**4.** Divide these by 100 and write the answers.

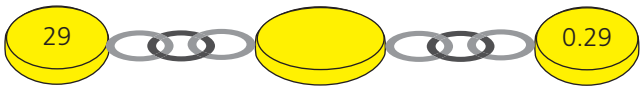
**a)** 674 ÷ 100 = _____ **b)** 2890 ÷ 100 = _____

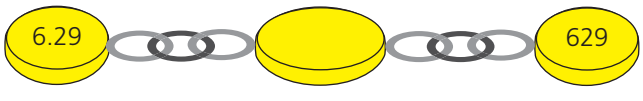
**c)** 71 ÷ 100 = _____ **d)** 35.2 ÷ 100 = _____

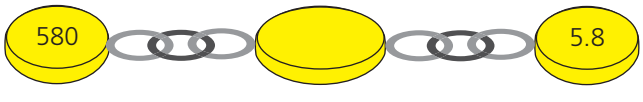
**e)** 10.9 ÷ 100 = _____ **f)** 40 ÷ 100 = _____

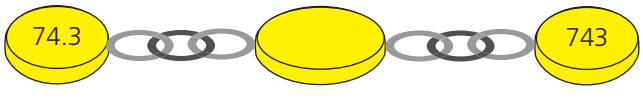
**5.** Write the missing operation on the blank bead in each of these. Is it **×10**, **×100**, **÷10** or **÷100**?

**a)** 


**b)** 


**c)** 


**d)** 


**e)** 


**f)**