

## Year 9 HOME LEARNING

### Week 3 Lesson 1

**Subject: Number**

**Time to complete: 50 minutes**

**Learning Objective: To multiply and divide by powers of 10 - integers**

*The answers to the questions are included. We would like the students to self-mark their work. This is a very valuable learning tool as it gives pupils immediate feedback and encourages independence and ownership over their learning. Please send your work in when you have marked it, showing any corrections that you have made.*

Save your work:

If you are using a computer, open a blank document to do your work (you can use Word or Publisher). Don't forget to SAVE it with your name, the lesson you are doing and the date.

For example: T.Smith Maths 8 April

If you would like us to see or mark your work please email it or send a photo of your completed work to:

**Mrs Shaw:**      [Ishaw.305@glebe.bromley.sch.uk](mailto:Ishaw.305@glebe.bromley.sch.uk)

Thank you

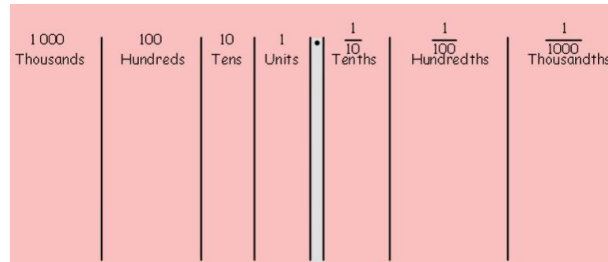
**Mrs Shaw**

Watch the video on multiplying and dividing integers by powers of 10. Using what you have learnt, complete the practice questions as you go through the video and then complete the questions below.

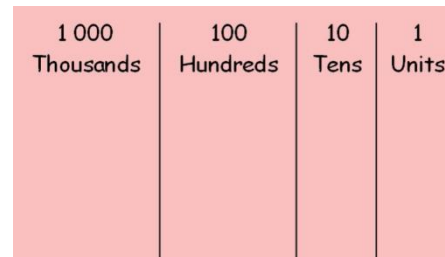
<https://vle.mathswatch.co.uk/vle/browse/683>

### Practice questions

- a)  $18 \div 10 =$
- b)  $762 \div 10 =$
- c)  $65 \times 10 =$
- d)  $207 \div 100 =$
- e)  $124 \times 100 =$
- f)  $79 \times 10 =$
- g)  $6 \div 100 =$
- h)  $42 \div 1000 =$



- a)  $91 \div 10 =$
- b)  $480 \div 100 =$



- a)  $23 \times 10 =$
- b)  $52 \times 100 =$

- 1)  $75 \times 100 = \underline{\hspace{2cm}}$
- 2)  $102 \times 10 = \underline{\hspace{2cm}}$
- 3)  $9 \times 1000 = \underline{\hspace{2cm}}$
- 4)  $450 \div 10 = \underline{\hspace{2cm}}$
- 5)  $3800 \div 10 = \underline{\hspace{2cm}}$
- 6)  $9700 \div 100 = \underline{\hspace{2cm}}$
- 7)  $60 \times 1000 = \underline{\hspace{2cm}}$
- 8)  $7000 \div 100 = \underline{\hspace{2cm}}$
- 9)  $210 \times 1000 = \underline{\hspace{2cm}}$
- 10)  $1050000 \div 1000 = \underline{\hspace{2cm}}$

## Answers:

1 000 Thousands	100 Hundreds	10 Tens	1 Units
		2	3
	2	3	0
5	2	5	2
		0	0

$$\text{a) } 23 \times 10 = 230$$

$$\text{b) } 52 \times 100 = 5200$$

1 000 Thousands	100 Hundreds	10 Tens	1 Units	$\frac{1}{10}$ Tenths	$\frac{1}{100}$ Hundredths	$\frac{1}{1000}$ Thousandths
		9	1			
			9	1		
4	8	0	4	8	0	

$$\text{a) } 91 \div 10 = 9.1$$

$$\text{b) } 480 \div 100 = 4.8$$

$$\text{a) } 18 \div 10 = 1.8$$

$$\text{b) } 762 \div 10 = 76.2$$

$$\text{c) } 65 \times 10 = 650$$

$$\text{d) } 207 \div 100 = 2.07$$

$$\text{e) } 124 \times 100 = 12400$$

$$\text{f) } 79 \times 10 = 790$$

$$\text{g) } 6 \div 100 = 0.06$$

$$\text{h) } 42 \div 1000 = 0.042$$

- 1.) 7500
- 2.) 10,200
- 3.) 9,000
- 4.) 45
- 5.) 380
- 6.) 97
- 7.) 60,000
- 8.) 70
- 9.) 210,000
- 10.) 1,050

Now complete the online questions. These will be marked automatically.