



Year 9 HOME LEARNING

Week 3 Lesson 2

Subject: Number

Time to complete: 50 minutes

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

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

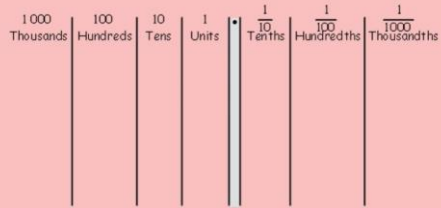
Thank you

Mrs Shaw

Watch the video on multiplying and dividing decimals 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/684>

Practice questions from the video

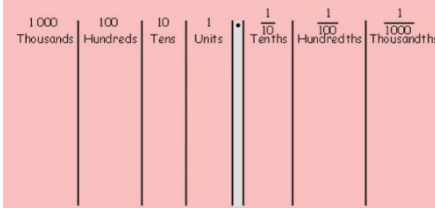


a) $75.3 \times 10 =$
b) $5.08 \times 100 =$

a) $390 \div 100 =$
b) $1.9 \div 10 =$
c) $84.5 \div 10 =$
d) $7 \div 100 =$
e) $26.8 \div 1000 =$

a) $72 \times 100 =$
b) $5.4 \times 10 =$
c) $9.1 \times 100 =$
d) $46.85 \times 10 =$
e) $3.2 \times 1000 =$

a) $27 \times 10 =$
b) $8.3 \div 10 =$
c) $932 \times 100 =$
d) $0.6 \times 1000 =$
e) $54 \div 1000 =$
f) $91 \div 10 =$
g) $2.99 \times 100 =$
h) $370 \div 100 =$



a) $0.96 \div 10 =$
b) $78.5 \div 100 =$

- 1) $3.6 \times 10 =$ _____
- 2) $82.9 \times 100 =$ _____
- 3) $0.5 \times 1000 =$ _____
- 4) $47 \div 10 =$ _____
- 5) $106.4 \div 10 =$ _____
- 6) $9.9 \div 100 =$ _____
- 7) $6.2 \times 1000 =$ _____
- 8) $70 \div 1000 =$ _____
- 9) $0.035 \times 10000 =$ _____
- 10) $0.01 \div 100 =$ _____

Answers:

- 1) $3.6 \times 10 = \underline{36}$
- 2) $82.9 \times 100 = \underline{8290}$
- 3) $0.5 \times 1000 = \underline{500}$
- 4) $47 \div 10 = \underline{4.7}$
- 5) $106.4 \div 10 = \underline{10.64}$
- 6) $9.9 \div 100 = \underline{0.099}$
- 7) $6.2 \times 1000 = \underline{6,200}$
- 8) $70 \div 1000 = \underline{0.07}$
- 9) $0.035 \times 10000 = \underline{350}$
- 10) $0.01 \div 100 = \underline{0.0001}$

1 000 Thousands	100 Hundreds	10 Tens	1 Units	1 Tenths	1 Hundredths	1 Thousandths
	7	5	3	.	3	
	5	0	8	.	0	8

- a) $75.3 \times 10 = \underline{753}$
- b) $5.08 \times 100 = \underline{508}$

1 000 Thousands	100 Hundreds	10 Tens	1 Units	1 Tenths	1 Hundredths	1 Thousandths
			0	9	6	
		7	8	5	8	5
			0	7		

- a) $0.96 \div 10 = \underline{0.096}$
- b) $78.5 \div 100 = \underline{0.785}$

- a) $72 \times 100 = \underline{7200}$
- b) $5.4 \times 10 = \underline{54}$
- c) $9.1 \times 100 = \underline{910}$
- d) $46.85 \times 10 = \underline{468.5}$
- e) $3.2 \times 1000 = \underline{3200}$

- a) $390 \div 100 = \underline{3.9}$
- b) $1.9 \div 10 = \underline{0.19}$
- c) $84.5 \div 10 = \underline{8.45}$
- d) $7 \div 100 = \underline{0.07}$
- e) $26.8 \div 1000 = \underline{0.0268}$

- a) $27 \times 10 = \underline{270}$
- b) $8.3 \div 10 = \underline{0.83}$
- c) $932 \times 100 = \underline{93200}$
- d) $0.6 \times 1000 = \underline{600}$
- e) $54 \div 1000 = \underline{0.054}$
- f) $91 \div 10 = \underline{9.1}$
- g) $2.99 \times 100 = \underline{299}$
- h) $370 \div 100 = \underline{3.7}$

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

This is a very full lesson. You may not have time to finish everything. Just do your best and remember to mark your answers.