

Hello y6 Thursday

Today you will complete the lesson on **dividing** decimals by whole numbers and read and revise some calculation rules in preparation for an arithmetic test tomorrow.

Go to white rose y6 wk 5 lesson 3 to watch the video again if it will help.

6 Work out the divisions.

a) $9.64 \div 4 =$

$96.4 \div 4 =$

$0.964 \div 4 =$

$9.64 \div 8 =$

b) $19.44 \div 9 =$

$19.53 \div 9 =$

$19.62 \div 9 =$

7 Fill in the missing numbers.

$3.6 \div 4 = 36 \div$

$3.6 \div 4 =$ $\div 8$

8 Complete the calculation.

$8.4 \div$ $= 4.2 \div$

How many different solutions can you find?

What patterns do you notice? Talk about it with a partner

scroll down for answers

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6 Work out the divisions.

a) $9.64 \div 4 =$ 2.41

$96.4 \div 4 =$ 24.1

$0.964 \div 4 =$ 0.241

$9.64 \div 8 =$ 1.205

b) $19.44 \div 9 =$ 2.16

$19.53 \div 9 =$ 2.17

$19.62 \div 9 =$ 2.18

7 Fill in the missing numbers.

$3.6 \div 4 = 36 \div$ 40

$3.6 \div 4 =$ 7.2 $\div 8$

8 Complete the calculation.

e.g. $8.4 \div$ 2 $= 4.2 \div$ 1

How many different solutions can you find?

What patterns do you notice? Talk about it with a partner.

Now scroll down for revision notes....

Now, in preparation for an arithmetic test tomorrow, remember that when you layout column addition and subtraction to make sure that decimal points are lined up and inserted in the answer box before you start to calculate.

Remember that short multiplication (multiplier is a single digit) you need to remember digit name and carrying like this:

A handwritten short multiplication problem on a grid background. The multiplicand is 36, and the multiplier is 216 with a decimal point. The multiplication is set up as follows:

	3	6	
		6	x
2	1	6	
		.	

“six x six is 36....carry the 3....six x three is 18 add the carried 3 is 21”

Remember that you cannot add or subtract different fractions so you must convert to the same denominators.

Remember if you **x or divide by 100 or 10 or 1000** think of the slider in the classroom.

Move the digits **two** places to the left to x by **100**

And **one** place to the right to divide by **10**.

You should not be carrying out long or short multiplications with questions to

x or divide by 100 or 10 or 1000

Try : 456×3 and 324×8 and 3.6×10 $567 \div 100$ 4.5×1000 and check using online calculator