

# Maths Wednesday Answers

1. 30      9,400   4   320   4,300      6100      15      950

2. 180      400   4,800      480   2,800      3,600

3. 9,070

4.  $10 \times 32 = 320$        $12 \times 40 = 480$        $5.3 \times 10 = 53$     $0.23 \times 100 = 23$

5. 280 towels

6. 480 pencils

## Challenge:

For both challenges send your answers to your teacher and they will say if they are correct.

18.06.20

I can multiply and divide numbers by  
10 and 100.

# Recap

What happens when you divide any number by 10?

What happens when you divide any number by 100?

What happens when you multiply any number by 10?

What happens when you multiply any number by 100?

Can you explain this in words? Either write your explanation or tell someone in your house. You might draw a picture to help you.

# Answers:

When I divide a number by 10 the place value of that number moves one place to the right because it is becoming 10 times smaller.

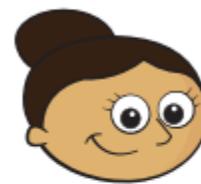
When I divide a number by 100 the place value of that number moves two places to the right because it is becoming 100 times smaller.

When I multiply a number by 10 it moves one place value to the left because it is becoming 10 times bigger.

When I multiply a number by 100 it moves two place values to the left because it is becoming 100 times bigger.

Dora is working out  $48 \div 100$  using a place value chart.

Tens	Ones	Tenths	Hundredths
● ● ● ●	● ● ● ● ● ● ● ●		



To divide by 100 you move two places to the right, so  $48 \div 100$  is 40.08

Tens	Ones	Tenths	Hundredths
● ● ● ●			● ● ● ● ● ● ● ●

a) Explain the mistake that Dora has made.

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b) Complete the division.

$$48 \div 100 = \square$$

Can you spot what Dora has done wrong?

# Game 1 - 4 in a row

You will need some counters or objects to place on your chart and 2 dice

<https://rollthedice.online/en/cdice/0-9-dice>.

Roll the dice and make a two digit number. Then choose to either multiply or divide your number by 10 or 100. If your answer is on the chart place your counter. The first person to get 4 in a row is the winner.

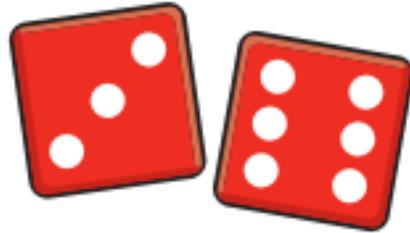
<b>0.8</b>	<b>0.04</b>	<b>100</b>	<b>700</b>	<b>110</b>	<b>1.2</b>
<b>0.5</b>	<b>300</b>	<b>800</b>	<b>1200</b>	<b>30</b>	<b>90</b>
<b>60</b>	<b>0.4</b>	<b>1100</b>	<b>10</b>	<b>0.03</b>	<b>1000</b>
<b>0.12</b>	<b>600</b>	<b>0.02</b>	<b>70</b>	<b>500</b>	<b>0.7</b>

# Game 2 – You can play this on your own.

Roll two dice to make two 2-digit numbers.

Divide your numbers by 100. Record your answer. Roll again.

Here is an example.



$36 \div 100$  and  $63 \div 100$

$$\boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}} \text{ and } \boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}} \text{ and } \boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}}$$

What is the greatest possible answer you can get?

What is the smallest possible answer?

Compare answers with a partner.

You can play this game again but this time divide by 10 or multiply by 10 and 100.

Again what is the greatest possible number you can make and the smallest.

You could also roll three dice and make 3 digit numbers and divide by 10 or 100.