Friday 12th June 2020   Maths Y4

Good morning Year 4s

Home learning focus - Dividing 1 or 2 digits by 100

Learn how to divide a 1-digit or 2-digit number by 100 and use place value columns to show the answer.

First go to https://whiterosemaths.com/homelearning/year-4/ - Summer Week 7 lesson 4 and do the worksheets attached.

If you would like more practise you could also go to https://www.bbc.co.uk/bitesize/articles/z4dmhg8 and watch the videos – part a and part b and then complete the worksheets.
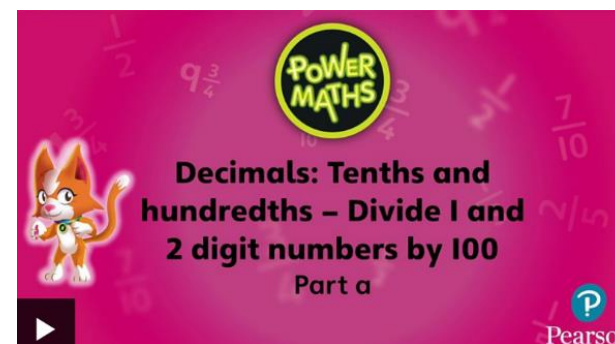
When you have finished, you could try the **Y4 challenge** – **The Deca Tree**, that I have posted on the Oaks page (answer on Monday!)

or

the Summer Week 7 Friday Maths Challenge instead (same white Rose links link as above). Good luck!

Dividing 1 and 2 digits by a hundred

1 a) Draw counters to show 8 on the place value chart.

Ones	Tenths	Hundredths

b) Complete the division.

$8 \div 100 =$

c) Draw counters to show your answer on the place value chart.

Ones	Tenths	Hundredths

What do you notice?

2 a) Draw counters to show 80 on the place value chart.

Tens	Ones	Tenths	Hundredths

b) Complete the division.

$80 \div 100 =$

c) Draw counters to show your answer on the place value chart.

Tens	Ones	Tenths	Hundredths

What do you notice?

3 Complete the sentence.

To divide by 100 you move the counters ☐ places to the _____

4 Complete the calculations.

a) $3 \div 100 =$ ☐

b) $90 \div 100 =$ ☐

c) ☐ $= 5 \div 100$

d) ☐ $= 60 \div 100$

e) ☐ $\div 100 = 0.5$

f) $0.02 =$ ☐ $\div 100$

5 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.

_____

_____

b) Complete the division.

$48 \div 100 =$ ☐

6 This Gattegno chart shows the number 37

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

a) Explain how you would work out $37 \div 100$ using this chart.

_____

_____

Compare answers with a partner.

b) Use the Gattegno chart to complete the division.

$92 \div 100 =$ ☐

c) Use the Gattegno chart to complete the division.

$19 \div 100 =$ ☐

7 Complete the calculations.

a) $31 \div 100 =$ ☐   e) ☐ $= 29 \div 100$

b) $60 \div 100 =$ ☐   f) ☐ $\div 100 = 0.58$

c) ☐ $= 85 \div 100$ g) $0.5 =$ ☐ $\div 100$

d) $0.01 =$ ☐ $\div 100$ h) $0.3 = 30 \div$ ☐

8 Complete the calculations.

a) $36 \div 10 =$ ☐   b) $91 \div 10 =$ ☐

$36 \div 100 =$ ☐ $91 \div 100 =$ ☐

$36 \div 10 \div 10 =$ ☐ $91 \div 10 \div 10 =$ ☐

What do you notice?

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Dividing by 100 is always the same as dividing by 10 twice.

Do you agree with Amir? _____

Explain your answer.

10 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 $63 \div 100$

☐ $\div 100 =$ ☐ and ☐ $\div 100 =$ ☐

☐ $\div 100 =$ ☐ and ☐ $\div 100 =$ ☐

What is the greatest possible answer you can get? ☐

What is the smallest possible answer? ☐

Compare answers with a partner.

Answers

Dividing 1 and 2 digits by a hundred