

Y4 – Monday 13th July – Decimals

LO: to multiply 1 and 2 digit numbers by 100

Watch the video lesson before you start:

<https://drive.google.com/file/d/1MFusBsazN6UHAepbqlv5vN7hFzIApWYR/view?usp=sharing>

When we divide a number by 100 we move the counters two places to the right.

$$32 \div 100 = 0.32$$

tens	ones	tenths	hundredths
● ●	● ●		

tens	ones	tenths	hundredths
3	2	.	

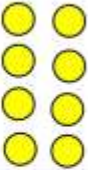
$$32 \div 100 = 0.32$$

tens	ones	tenths	hundredths
		● ●	● ●

tens	ones	tenths	hundredths
		3	2

When we divide a number by 100 we move the counters two places to the right.

$$8 \div 100 = 0.08$$

tens	ones	tens	hundredths
			

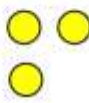
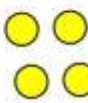
tens	ones	tens	hundredths
			8

When we divide a number by 100 we move the counters two places to the right.

$$1. \quad 65 \div 100 = \boxed{0.65}$$

$$2. \quad \boxed{0.09} = 9 \div 100$$

$$3. \quad 0.34 = \boxed{34} \div 100$$

tens	ones	tens	hundredths
			

tens	ones	tens	hundredths
		3	4

$1. 62 \div 100 = \square$

$2. 81 \div 100 = \square$

$3. 7 \div 100 = \square$

$4. 19 \div 100 = \square$

$5. 4 \div 100 = \square$

$6. 53 \div 100 = \square$

$7. \square = 2 \div 100$

$8. \square = 73 \div 100$

$9. \square = 60 \div 100$

$10. 0.06 = \square \div 100$

$11. 0.9 = \square \div 100$

$12. 0.35 = \square \div 100$

$13. 43 \div 10 \div 10 = \square$

$14. 3 \div 100 = \square \times 10$

$15. 25 \div 100 = 1 - \square$

Number 14 and 15 are tricky!

Describe the pattern.

$7,000 \div 100 = 70$

$700 \div 100 = 7$

$70 \div 100 = 0.7$

$7 \div 100 = 0.07$

Can you complete the pattern starting with 5,300 divided by 100?

Teddy says,

45 divided by 100 is 0.45
so I know 0.45 is 100
times smaller than 45



Mo says,

45 divided by 100 is 0.45
so I know 45 is 100 times
bigger than 0.45



Who is correct?
Explain your answer.