



Y4 – Monday 13th July – Decimals – ANSWERS

LO: to multiply 1 and 2 digit numbers by 100

1. $62 \div 100 = 0.62$	7. $0.02 = 2 \div 100$	<p>13. $43 \div 10 \div 10 = 0.43$</p> <p>14. $30 \div 100 = 0.03 \times 10$</p> <p>15. $25 \div 100 = 1 - 0.75$</p> <p><i>Number 14 and 15 are tricky!</i></p>
2. $81 \div 100 = 0.81$	8. $0.73 = 73 \div 100$	
3. $7 \div 100 = 0.07$	9. $0.6 = 60 \div 100$	
4. $19 \div 100 = 0.19$	10. $0.06 = 6 \div 100$	
5. $4 \div 100 = 0.04$	11. $0.9 = 90 \div 100$	
6. $50 \div 100 = 0.5$	12. $0.35 = 35 \div 100$	

<p>Describe the pattern.</p> $7,000 \div 100 = 70$ $700 \div 100 = 7$ $70 \div 100 = 0.7$ $7 \div 100 = 0.07$ <p>Can you complete the pattern starting with 5,300 divided by 100?</p>	<p>Children will describe the pattern they see e.g. 7,000 is 10 times bigger than 700, therefore the answer has to be 10 times bigger as the divisor has remained the same.</p> <p>For 5,300:</p> $5,300 \div 100 = 53$ $530 \div 100 = 5.3$ $53 \div 100 = 0.53$ $5.3 \div 100 = 0.053$	<p>Teddy says,</p> <p>45 divided by 100 is 0.45 so I know 0.45 is 100 times smaller than 45 </p> <p>Mo says,</p> <p>45 divided by 100 is 0.45 so I know 45 is 100 times bigger than 0.45 </p> <p>Who is correct? Explain your answer.</p>	<p>Teddy and Mo are both correct. Children may use a place value chart to help them explain their answer.</p>
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