

12.1.21

LO: Multiplying and Dividing by Powers of 10

Multiply by 10		Multiply by 100		Multiply by 1000	
A1	92	B1	37	C1	710
A2	181	B2	853	C2	5
A3	0.2	B3	3098	C3	4007
A4	507.3	B4	1.4	C4	300

Divide by 10		Divide by 100		Divide by 1000	
D1	92	E1	37	F1	710
D2	181	E2	853	F2	5
D3	0.2	E3	3098	F3	4007
D4	507.3	E4	1.4	F4	300

G

- 1) $\square \div 10 = 78$ 2) $\square \times 10 = 0.8$ 3) $\square \div 10 = 2.56$
 4) $\square \times 10 = 10.6$ 5) $10 \times \square = 75$

H

- I split a 803.45cm piece of wood into 100 equal pieces – how long will each piece be?
- 100 Identical mattresses in a warehouse weigh 2340kg altogether. How much does each mattress weigh?
- What is greater: 10×0.45 or $450 \div 100$ or 1000×0.045 ? And what is the difference between the greatest and the smallest?
- I walk 2563.45 km over one thousand days. On average, how far do I walk each day?
- 100 children share a cake. They each have 5.82 kcal in their slice. How many kcal would there have been in the whole cake?