5JG Learning Letter

Week 5 Maths – Multiplication and Division

Maths this week

The focus for this week's learning is continuing **multiplication and division**. Use paper and a pencil to complete the tasks in the Word document.

You could also have a look at the videos on **Google Classroom** to help you understand the tasks.

Lesson 1 – Multiplying by 10, 100 and 1,000

Learning Question: Can I multiply by powers of ten?

Success Criteria:

I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000

Task 1: Look at the number below:

HTh	TTh	Th	H	T	O
			○ ○	○ ○ ○	○ ○ ○ ○

What will the answer be if I…

a) …multiply the number by 10?
b) …multiply the number by 100?

Task 2: Mutiply the following number by 100:

a) 211
b) 212
c) 312

Lesson 2 – Dividing by 10, 100 and 1,000

Learning Question: Can I divide by powers of ten?

Success Criteria:

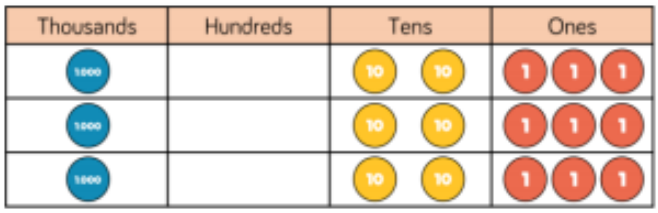
I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000

Task 1:

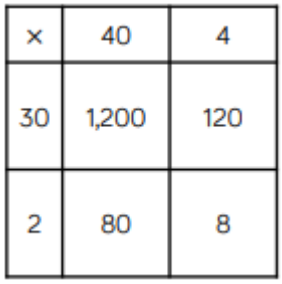
HTh	TTh	Th	H	T	O
	●	● ●	● ● ●		

a) What number is represented on the place value grid?
b) Divide the number by 100. What direction to the counters move? How many columns do they move? Why?
c) What number are you left with now?

Lesson 3 – Multiples of 10, 100 and 1,000	
Learning Question: Can I use my knowledge of multiples? Success Criteria: I can solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes	Task 1: 36 x 5 = 180. Use this number sentence to answer the following questions: a) 36 x 50 = b) 5 x 360 = c) 360 x 500 = d) 500 x 36 = Task 2: Can you write a similar question for someone at home.

Lesson 4 – Multiply 4-Digits by 1-Digit	
Learning Question: Can I multiply a 4-digit number by a 1-digit number? Success Criteria: I can multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	Task 1: Use the place value chart to help you complete the calculation: a)  b) 1,312 x 4 = c) 2, 122 x 3 =

	Th	H	T	O
	1	0	2	3
×				3

Lesson 5 – Multiply 2 Digits (Area Model)	
Learning Question: Can I multiply a 4-digit number by a 1-digit or 2-digit number? Success Criteria: I can multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	Task 1: Rosie adapts the Base 10 method to calculate 44 × 32  Can you use the same method to answer the following questions: a) 45 x 12 = b) 52 x 13 = c) 34 x 22 =

×	40	4
30	1,200	120
2	80	8