Year 5 Multiplication Finding multiples

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| Question 1What is multiplication?×Write your answer in a full sentence. | Question 2What other words could you use instead of multiplication? |
| Question 3What is a multiple?I think it is a number that does not appear in a number’s times table.Eg 24 is a multiple of 5What do you think? Am I correct or not?  | Question 4Find the first 12 multiples of 4Find the first 5 multiples of 9 |
| Question 5 | Question 6 |
| Question 7GDSExplain you answer | Question 8GDSMark my workThe seventh multiple of 9 = 54The fourth multiple of 7 = 35The eleventh multiple of 12 = 122 |
| Question 9GDSWhat multiple of 12 is also a multiple of 4 and 8?Is there only one? Elsa thinks there might be another......do you agree? | Question 10GDS |

Finding Factors

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| Question 1What is a factor?Explain in a full sentence using examples. | Question 2Using arrays, show me all the factors for the number 18 |
| Question 2 |
| Question 3Find all the factors of each of the following numbers1. 6 b) 12

c)9 d) 5 | Question 42,3 and 4 are some of the factors of which number?Show me your calculations. |
| Question 5 |
| Question 6Always, Sometimes or NeverA number will always have an even number of factors because factors come in pairs?Explain your answer/reasoning using examples |
| Question 7Using the templates provided, make factor flowers for any number up to 100Remember to include all the factors. |
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| LO: IALT identify common factors |
| Question 1 |
| Question 2What is a common factor?Full sentence | Question 3Find the factors of 9 and 12Mrs Light thinks the common factors in these numbers are 1 and 4. Is she correct? |
| Question 4 | Question 5 |
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| Question 6GDSWhat are the common factors in 48 and 64?I think they are 1, 2, 4, 8 and 16. Do you agree?Show me | Question 7GDSPROVE ITI don’t think there are four numbers that have 5 or more common factors. Do you? |
| Question 8GDSTwo numbers have common factors of 1 and 5. What are they?Show me | Question 9GDSTwo numbers have common factors of 1, 2 and 5.What are they?Show me |
| Question 11GDSFinding factors pg 124 | Question 12GDSI am thinking of 2 numbers between 70 and 80.The common factors are 1, 2, 4 and 8What are the 2 numbers I am thinking of? |

Prime Numbers

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| Question 1What is a prime number?Full sentence | Question 2What are the first 3 prime numbers?What makes them prime numbers? |
| Question 3

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| number | factors |
| 5 | 1 and 5 |
| 7 | 1 and 7 |
| 4 | 1, 2 and 4 |
| 9 | 1, 3 and 9 |
| 6 | 1, 2 3 and 6 |
| 8 | 1, 2,4 and 8 |

What does the table above show us?Can it help in identifying prime numbers? How? | Question 4Draw your own table to show me all the other prime numbers less than 20.Remember, they will only have 2 factors. |
| Question 5Using arrays can help identify prime numbers.EG. The number 6 can be shown in 3 ways.  As you can see, the number 6 fits neatly with no odd rows.Use this method to decide whether the following numbers are prime numbers or not2 10 14 19 27 31 | Question 6True or falseAll multiples of 2 are not prime numbers?Prove it using examples |
| Question 7GDSWhat is a composite number? Explain using examples | Question 8GDSPg 124 |

Finding square and cubed numbers

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| Question 1What is a squared number?What is a cubed number?Use examples | Question 2Build cubed squares for the following numbers1. 4
2. 9
3. 16
4. 18

How can this strategy help us with squared numbers? |
| Question 3How do we write a squared number and what does it represent/show us?I think it is like this…………9 = 3(2)What do you think? Explain | Question 4Build a cube. How many cubes are in your ‘big’ cube.Does this mean your number is a cubed number? |
| Question 5Build cubes for the following number and then decide if it is cubed or not. 8  | Question 6How do we write a cubed number and what does it represent/show us?Show me examples |
| Question 7GDSNumber square game pg 128 |  |

**Year 5 13.11.18 LO: I am learning to answer a variety of questions based on factors, multiples, squared and cubed numbers and prime numbers QUIZ**

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| Question 1Mark my workThe seventh multiple of 9 = 64The fourth multiple of 7 = 42The seventh multiple of 12 = 74 | Question 248 is a multiple of 12. Is it a multiple of any other number?Prove it and show me  |
| Question 3What is a factor?Explain in a full sentence | Question 42,3, 4 and 5 are some of the factors of which number? |
| Question 5What are the factors of 28?What are the factors of 34?Show me using examples | Question 6What is a common factor?SHOW ME USING EXAMPLES |
| Question 7What is a prime number?Show me using examples | Question 8How do we write a cubed number and what does it represent/show us? **2**I think it looks like this 125 = 5 |
| Question 9How do we write a squared number and what does it represent/show us?I think it is like this…………25 = 5(2) | Question 10I think 16 is a squared number. Do you?Prove it |
| Question 11What is 3 cubed?What is 4 cubed? | Question 12List all the prime numbers below 100 |

Year 5 14.11.18.....Patterns with prime numbers worksheet, prime number bingo

YEAR 5 15.11.18 lo: I AM LEARNING TO MULTIPLY A 4 DIGIT NUMBER BY A 1 DIGIT NUMBER

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| Question 1What is multiplication and what else could we call it?Use examples to illustrate | Question 2 |
| Question 3 | Question 4 |
| Question 5 | Question 6 |
| Question 7 | Question 8 |
| Question 9 | Question 10 |
| Question 11 | Question 12 |

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| Question 1 | Question 2 |
| Question 3 | Question 4 |
| Question 5 | Question 6 |
| Question 7 | Question 8 |
| Question 9 | Question 10 |
| Question 11 | Question 12 |

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| --- | --- |
| Question 1 | Question 2 |
| Question 3 | Question 4 |
| Question 5 | Question 6 |
| Question 7 | Question 8 |
| Question 9 | Question 10 |
| Question 11 | Question 12 |