Worksheet 1 – Multiplying B

- 1. Complete the times table square
- 2. Answer the following questions (use the table to help you)
- 3. Check your answers with a calculator

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

Times Table Square

Questions

4 x 1 =	5 x 1 =	2 x 1 =
2 x 7 =	3 x 7 =	4 x 7 =
11 x 4 =	11 x 3 =	11 x 5 =
5 x 2 =	5 x 4 =	5 x 8 =
4 x 2 =	4 x 4 =	4 x 8 =

Worksheet 2 – Multiplying B

- 4. Complete the times table square
- 5. Answer the following questions
- 6. Check your answers with a calculator

Х	1	2	3	4	5	6	7	8	9	10	11	12
1				4								
2										20		
3										30		
4										40		
5					25						55	
6												72
7							49					
8									72			
9			27									
10						60						
11	11							88				
12		24										144

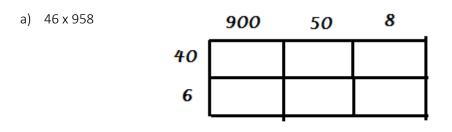
Times Table Square

Questions

4 x 3 =	4 x 30 =	40 x 30 =	4 x 300 =
9x7 =	9 x 70 =	90 x 7 =	90 x 70 =
11 x 4 =	110 x 4 =	11 x 400 =	110 x 400 =
6 x 12 =	60 x 12 =	6 x 120 =	600 x 120 =
7 x 8 =	70 x 8 =	7 x 80 =	7000 x 8 =

Worksheet 3 – Multiply larger numbers

- 1. Watch this Youtube link: <u>https://www.youtube.com/watch?v=ClwxJIB43Co</u>
- 2. Work out the calculations below with the box method.
- 3. Check your answers with a calculator



b) 23 x 41

c) 14 x 502

d) 352 x 78

e) 149 x 251

Extension (on a different sheet of paper):

i. 4251 x 6123

- ii. 72341 x 25
- iii. 9874 x 253

Worksheet 4 Multiples

Part A: Identifying multiples

i.	Circle the numbers below which are multiples of 5									
	3	5	9	15	25	27	30	33	42	45
ii.	Circle the numbers below which are multiples of 3									
	3	5	9	15	25	27	30	33	42	45
iii.	Circle the numbers below which are multiples of 15									
	3	5	9	15	25	27	30	33	42	45
iv.	What do you notice about the numbers you circled?									

- v. Choose a multiple of 5 that is also a multiple of 15.
- vi. What is the smallest number that is a **common multiple** of 5 and 3?

Part B: Identify larger multiples

- i. Write down a multiple of 5 that is larger than 100:
- ii. Write down a multiple of 2 that is smaller than 120 and larger than 110:
- iii. Is there a multiple of 10 that is larger than 321 and smaller than 329? How do you know?

Extension:

Find the Lowest Common Multiple for these numbers:

- i. 2 and 3
- ii. 4 and 5
- iii. Convince me that 24 is the Lowest Common Multiple of 8 and 12

Worksheet 5 Factors and primes

Part A: Identifying factors

i.	Circle the numbers below that are factors of 12									
	1	2	3	4	5	6	9	12	18	
ii.	Circle the numbers below that are factors of 18									
	1	2	3	4	5	6	9	12	18	
iii.	How d	o we kn	ow that	5 is NOT	a factor	of 12 or	of 18?			
iv.	Find all of the numbers that are factors of 12 AND 18									
V.	What is the largest (highest) number that is a common factor of 12 and 18?									
Part B: Find all factors of a number. Identify prime numbers										
i.	Find all of the factors of 15:;;;;									
ii.	Find all of the factors of 20:;;;;;									
iii.	Find all of the factors of 22:;;;;									
iv.	Prime numbers have exactly two factors. Write down all of the prime numbers less than 20									
E . .										

Extension:

Find the Highest Common Factor for these numbers:

- i. 24 and 30
- ii. 40 and 50
- iii. Convince me that 8 is the Highest Common Factor (HCF) of 16 and 24
- iv. Find the HCF of 100 and 150 (hint: the answer is bigger than 10)
- v. Find the HCF of 49 and 140