

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

Times Table Square

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

Questions

$4 \times 1 = \dots\dots\dots$

$5 \times 1 = \dots\dots\dots$

$2 \times 1 = \dots\dots\dots$

$2 \times 7 = \dots\dots\dots$

$3 \times 7 = \dots\dots\dots$

$4 \times 7 = \dots\dots\dots$

$11 \times 4 = \dots\dots\dots$

$11 \times 3 = \dots\dots\dots$

$11 \times 5 = \dots\dots\dots$

$5 \times 2 = \dots\dots\dots$

$5 \times 4 = \dots\dots\dots$

$5 \times 8 = \dots\dots\dots$

$4 \times 2 = \dots\dots\dots$

$4 \times 4 = \dots\dots\dots$

$4 \times 8 = \dots\dots\dots$

Worksheet 2 – Multiplying B

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

Times Table Square

x	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

Questions

$4 \times 3 = \dots\dots\dots$

$4 \times 30 = \dots\dots\dots$

$40 \times 30 = \dots\dots\dots$

$4 \times 300 = \dots\dots\dots$

$9 \times 7 = \dots\dots\dots$

$9 \times 70 = \dots\dots\dots$

$90 \times 7 = \dots\dots\dots$

$90 \times 70 = \dots\dots\dots$

$11 \times 4 = \dots\dots\dots$

$110 \times 4 = \dots\dots\dots$

$11 \times 400 = \dots\dots\dots$

$110 \times 400 = \dots\dots\dots$

$6 \times 12 = \dots\dots\dots$

$60 \times 12 = \dots\dots\dots$

$6 \times 120 = \dots\dots\dots$

$600 \times 120 = \dots\dots\dots$

$7 \times 8 = \dots\dots\dots$

$70 \times 8 = \dots\dots\dots$

$7 \times 80 = \dots\dots\dots$

$7000 \times 8 = \dots\dots\dots$

Worksheet 3 – Multiply larger numbers

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

a) 46×958

	900	50	8
40			
6			

b) 23×41

c) 14×502

d) 352×78

e) 149×251

Extension (on a different sheet of paper):

- i. 4251×6123
- ii. 72341×25
- iii. 9874×253

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 do we know 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

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