

Welland Gouldsmith School  
Class 4  
Mathematics  
Chapter 3.MULTIPLICATION

Multiplication Facts :

1. Numbers can be multiplied in any order,the products remain the same.example:  
 $8 \times 7 = 56$  or  $7 \times 8 = 56$
2. The factors can be grouped in any way,the products remain the same.  
example:  $(5 \times 2) \times 6 = 5 \times (2 \times 6)$
3. When a number is multiplied by 1,the product is the number itself.
4. When a number is multiplied by 0,the product is 0.

WORKSHEET 1

1.  $15 \times 1 = \underline{\quad}$
2.  $27 \times \underline{\quad} = 27$
3.  $1 \times \underline{\quad} = 1$
4.  $14 \times 0 = \underline{\quad}$
5.  $15 \times 8 = 8 \times \underline{\quad}$
6.  $4 \times \underline{\quad} \times 5 = 0$
7.  $(3 \times 4) \times 2 = (2 \times 3) \times \underline{\quad}$
8.  $6 \times 5 \times \underline{\quad} = 9 \times 6 \times \underline{\quad}$

Multiplication by a one digit number :

Vertical method:

Example: multiply 379 by 7

$$379 \times 7$$

Step 1.  $7 \times 9 = 63$  ones

Regroup 63 ones into 6 tens and 3 ones

Step 2.  $7 \times 7$  tens = 49 tens

49 tens + 6 tens(carried over from ones)

= 55 tens

Regroup 55 tens into 5 hundreds and 5 tens

Step 3.  $7 \times 3$  hundreds = 21 hundreds

21 hundreds + 5 hundreds(carried over from tens) = 26 hundreds

Regroup 26 hundreds into 2 thousands and 6 hundreds.

Ans = 2653

WORKSHEET 2

1.  $236 \times 4$
2.  $308 \times 7$
3.  $2365 \times 3$
4.  $4653 \times 4$
5.  $1234 \times 8$

Horizontal method:

Example: multiply 326 by 3

Step 1: 6 ones  $\times$  3 = 18ones = 1 tens + 8 ones

Step 2: 2 ones  $\times$  3 = 6 tens. 6 tens + 1 tens = 7 tens

Step 3: 3 hundreds  $\times$  3 = 9 hundreds.

Ans = 978

#### WORKSHEET 4

1.  $421 \times 3$
2.  $1955 \times 7$
3.  $3790 \times 8$
4.  $6051 \times 6$
5.  $2039 \times 5$

Multiplying by expanding the bigger number:

Example: multiply 235 by 4

$235 = 200+30+5=200 \times 4 + 30 \times 4 + 5 \times 4$

$= 800+120+20 = 940$

#### ASSIGNMENT 1

Exercise 3.3

Numbers 1 - 9

Multiplying by any 2 digit number

Please click on d link and follow the video carefully.

<https://youtu.be/4exh3iBGroA>

#### ASSIGNMENT 2

Exercise 3.4

Numbers 1 - 12

Multiplying by a 3 digit number

Please click on d link attached

[https://youtu.be/dXHn\\_OHZty](https://youtu.be/dXHn_OHZty)

ASSIGNMENT 3  
Exercise 3.5  
Numbers 1 - 15

ASSIGNMENT 4  
Exercise 3.6  
Numbers 1 - 5

ALL EXERCISES TO BE DONE IN THE MATHS EXERCISE COPIES NEATLY,