

#### P.3 Mathematics LESSON ONE WEEK FIVE <u>MULTIPLICATION OF WHOLE NUMBERS</u> Multiplying by a one digit without regrouping Teaching learning activity

 $\circ\;$  Recognizing that we multiply beginning from the side of ones to tens from right to left

#### **Example** 1. Multiply

:	т	0	т	0
	3	3	4	2
_	Х	2	X	2
	6	6	8	4

### Multiplication of two digits by one with regrouping

Example

 T
 O

 4
 6
  $6 \times 2 = 12$  

 x
 2
  $(4 \times 2) + 1 = 9$  

 9
 2

# Exercise

1. Multiply the following numbers correctly.

a) 134 x 4	d) 980 x 6
b) 286 x7	e) 157 x 8
c) 570 x 2	

# LESSON TWO

Multiplication of a 2 – digit number by a 2 digit number without regrouping

Examples H T O (1) Multiply: 1 4 X 1 22 8-1 41 6 8

Exercise	
a) 13 x 24	d) 98x 26
b) 28x17	e) 18 x 38
c) 57x 23	

#### **LESSON THREE**

MULTIPLICATION OF A 3 – DIGIT NUMBER BY A ONE DIGIT NUMBER WITH REGROUPING.

Example	S	Н	Т	0		Н	Т	0
Multiply	(i)	3	2	0	(ii)	4	2	5
		Х		2		Х		2
		6	4	0		8	5	0

(iii)	н	т	0
	1	2	4
			6
	7	4	4

#### **Exercise**

1. Work out correctly.

a) 1340 x 4 b) 2860 x7 c) 5703 x 2 d) 9800 x 6 e) 1857 x 8

# **LESSON FOUR**

#### Solving word problems involving multiplication Vocabulary used; Product, multiply by, of, times Examples

- 1. How many items are in 4 dozen?
  - 1 dozen = 12 items  $4 \text{ dozens} = 12 \times 4$  = 48 items 4 dozens have 48 items 4 dozens have 48 items
- 2. Find the product of 45 and 12

	45	
	x 12	or Expand 45 : 40 + 5
	90	40 x 12 = 4 8 0
+	45	$5 \times 12 = + 6 0$
	540	540

3. A farmer collects 124 eggs everyday from his farm. How many eggs does he collect in a week?

1 2 4

Х 7

#### 8 6 8 He collected 868 eggs in a week.

# Exercise

- 1. A teacher marks 159 books a day. How many books does a teacher mark in 5 days?
- 2. A school uses 246kgs of meat a day. How many kgs does the school use in a week?
- 3. A car uses 2462 litres of petrol every day. How many litres of petrol will the car use in one week?

2

2

4

6

8

10

12

6

4. A doctor works on 78 patients every day. How many patients will the doctor wok on in February 2019?

# **LESSON FIVE**

# Division of natural numbers by one digit number

- Teaching learning activity
- Reciting multiplication tables up to 9

# Examples

Examples				Y
1. Divide 26 by 2	Х	2	2. Workout: 5 2 ÷ 2 =	^
13	~	-	26	1
$2\sqrt{26}$	1	2	$2\sqrt{52}$	2
$1 \times 2 = -2$	2	4	$2 \times 2 = -4^{\checkmark}$	2
06	3	6	12	5
$2 \times 3 6$			$2 \times 6 - 12$	4
$2 \times 3 = \frac{-0}{0}$	4	8	00	5

# Exercise

Use long division to work out the following.

- $1.184 \div 2$
- 2.1532÷2
- 3. 306÷2
- 4.90÷5
- 5.670÷5