Topic: Whole Numbers (3)
Sub-topic: Factors
Objectives: 1. Determine if a 1-digit whole number is a factor of another whole number by division
       2. Recognise that if c=a x b, then a and b are factors of c, where a, b and c are whole numbers
       3. List the factors of a whole number (up to 100)

1. WATCH THE YOUTUBE: FACTOR RAINBOWS

2. WATCH THE YOUTUBE: INTRODUCTION OF FACTORS (FACTORS AND DIVISIBILITY)
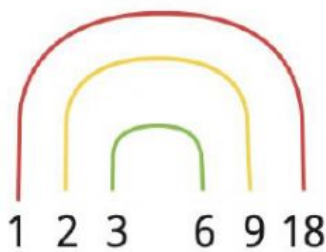
Teacher Dianawati
Year 4

Factor Rainbows

Name:_____ Date:_____

Example
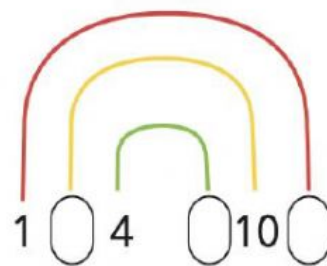
18

1 2 3   6 9 18

Factors of 18: 1, 2, 3, 6, 9, 18

Try It!
Fill the missing factors to complete the rainbow

20

1 ◯ 4 ◯ 10 ◯

Factors of 20: _____

Make a factor rainbow for each of the numbers below.

a. 10	B. 24
Factors of 10: _____	Factors of 24: _____
a. 30	B. 45
Factors of 30: _____	Factors of 45: _____

Factors: Product Strategy

Complete the product strategy to find the factors of each number.

1) 36

□ × 36 = 36

2 × □ = 36

□ × 12 = 36

4 × □ = 36

□ × 6 = 36

The factors of 36 are _____

_____

2) 12

1 × □ = 12

□ × 6 = 12

3 × □ = 12

The factors of 12 are _____

_____

3) 28

1 × □ = 28

2 × □ = 28

□ × 7 = 28

The factors of 28 are _____

_____

4) 45

□ × 45 = 45

□ × 15 = 45

5 × □ = 45

The factors of 45 are _____

_____

5) Write your own product strategy to find the factors of 50.

The factors of 50 are _____