

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 $c = a \times b$, 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)

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Year 4

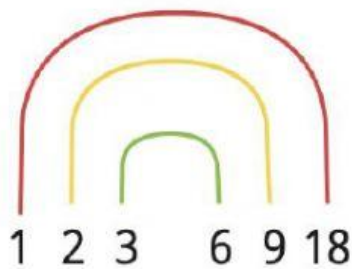
Factor Rainbows

Name: _____

Date: _____

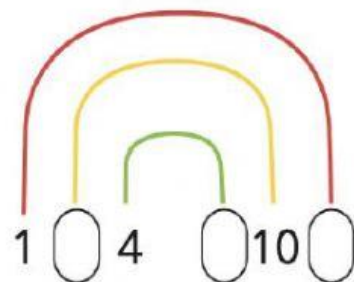
Example

18



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

20



Factors of 20: _____

Try It!
Fill the missing factors to
complete the rainbow

Make a factor rainbow for each of the numbers below.

a. 10

Factors of 10: _____

B. 24

Factors of 24: _____

a. 30

Factors of 30: _____

B. 45

Factors of 45: _____

Factors: Product Strategy

ES1

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

1) 36

$$\square \times 36 = 36$$

$$2 \times \square = 36$$

$$\square \times 12 = 36$$

$$4 \times \square = 36$$

$$\square \times 6 = 36$$

The factors of 36 are _____

2) 12

$$1 \times \square = 12$$

$$\square \times 6 = 12$$

$$3 \times \square = 12$$

The factors of 12 are _____

3) 28

$$1 \times \square = 28$$

$$2 \times \square = 28$$

$$\square \times 7 = 28$$

The factors of 28 are _____

4) 45

$$\square \times 45 = 45$$

$$\square \times 15 = 45$$

$$5 \times \square = 45$$

The factors of 45 are _____

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

The factors of 50 are _____