

3.2 (2) Three items ratio (Work Sheet)

Part 1: The property of three items ratio is :

(1) If $a:b=m:n$, $b:c=n:k$, Then $a:b:c=$ _____

(2) If $k \neq 0$, $a:b:c=$ _____ $=$ _____

What' s the key to find the three items ratio?

Exercise 1: According to the following conditions, work out a:b:c

(1) $a:b=4:5$, $b:c=5:9$ | (2) $a:b=5:3$, $b:c=9:4$ | (3) $a:b=4:5$, $b:c=7:9$

Part 2: simple integral ratios with three items.

Key 1: How to simplify? _____

Key 2: How to make integer? _____

Exercise 2: Change these ratios into the simple integral ratios

(1) 15:30:40

(2) $\frac{1}{2} : \frac{1}{4} : \frac{1}{6}$

Challenge

Without a scale, divide a piece of paper 20 cm long into three parts, which are

2.5cm, 7.5cm, 10cm