**Year 9**

**Mastering Ratio**

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**Name:**

**Ratio Rods**





What are equivalent ratio’s?

**Comparing Ratio**

Which of the following will be orangier when they are shaken up? Show your working on the next page.



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**Comparing Ratio**

a:b = 3:4

b:c = 4:7

a:c =

a:b = 3:4

b:c = 8:14

a:c =

x:y = 3:4

y:z = 8:5

x:z =

m:n = 3:5

n:p = 10:7

m:p =

a:b = 3:4

b:c = 12:5

a:c =

a:b = 3:5

b:c = 15:7

a:c =

a:b = 3:2

b:c = 8:5

a:c =

a:b = 3:5

b:c = 20:9

a:c =

a:b = 3:4

b:c = 5:7

a:c =

a:b = 3:2

b:c = 5:4

a:c =

a:b = 2:5

b:c = 3:8

a:c =

a:b = 4:7

b:c = 3:8

a:c =

**Ratio Problems**





**Compare and Share Ratio**

Lia, Dan and Sam share counters such that:

The ratio of Lia to Dan is 7:5

The ratio of Dan to Sam is 2:3

Given Lia has 56, how many does Sam have?

L

D

S

**Key Question 2**

Bob, Max and Lee share counters such that:

The ratio of Bob to Max is 1:2

The ratio of Max to Lee is 3:5

Given Bob has 9, how many does Lee have?

**Key Question 1**

A bakery bakes small, medium and large pies.
The ratio small : medium : large is 3 : 5 : 2.

What fraction of the pies are large?

One day 460 medium pies are baked.

Work out how many small pies are baked