

Name : _____

Date : _____

PSLE Math

Lesson 3: Ratio

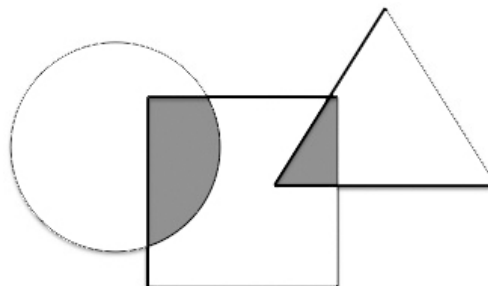
1. At first, a shopkeeper had 156 apples and 72 oranges. After he sold the same number of apples and oranges, the number of oranges left was $\frac{1}{4}$ the number of apples left. How many apples did the shopkeeper sell?
 [4m]

Before After: Copy Cat - Difference Same

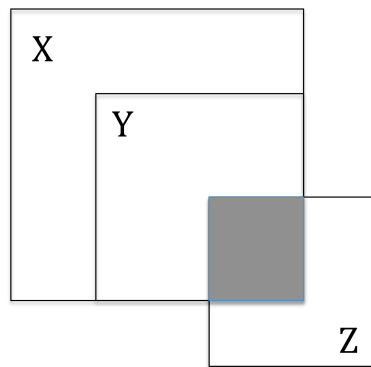
2. Juyi had a total of 208 cheese and tuna buns in the ratio of 7:6. After she gave away an equal number of each type of bun, the number of cheese and tuna buns left was in the ratio of 7:3
- a) Did the fraction of tuna buns that Juyi had increase, decrease or remain the same? [1m]
- b) How many tuna buns did she give away? [3m]

Before After: Copy Cat - Difference Same

3. In the figure below, which is not drawn to scale, $\frac{3}{7}$ of the circle is shaded. The ratio of the area of the square to the area of the circle is 4:5. 75% of the square is shaded. $\frac{1}{3}$ of the triangle is shaded. What is the ratio of all the shaded parts to all the unshaded parts?




4. In the diagram below, 75% of square Z is not shaded. The ratio of the area of square X to the area of square Y is 9:4. The ratio of the area of square Y to the area of square Z is 4:1.
- (a) What is the ratio of area of square X to the area of square Z?
- (b) Find the ratio of the unshaded area of square Y to the unshaded area of square Z.



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 Quiz 3: Ratio

Revision

1. One Eye Jack – One Things Same
2. Give & Take – Total Same
3. Copy Cat – Difference Same
4. Remainder – Draw Layers (Common denominator)
5. LCM

1. Last week, the number of swordtails to the number of guppies in a aquarium was 2:5. There were 12 swordtails. This week, 36 more swordtails and guppies were added into the aquarium. As a result, the ratio of swordtails to guppies in the aquarium became 4:9. How many guppies were added into the tank? [5m]

Type : _____

2. At first, Shop X has 156 kg of rice flour and Shop Y has 72 kg of rice flour. After each shop sold the same quantity of rice flour, the amount of rice flour in Shop X has was 4 times that of Shop Y. How many kilograms of rice flour did Shop X sell? [5m]

Type : _____

3. The ratio of the number of motorcycles to the number of lorries in a car park is 5:7. If 24 motorcycles left the car park and 24 lorries entered the car park, there would be thrice as many lorries as motorcycles. How many motorcycles are there in the car park? [4m]

Type : _____

4. Jack used $\frac{3}{8}$ of his money as down payment on a new motorcycle, $\frac{1}{4}$ of it on a watch and $\frac{1}{3}$ of the remainder on a DVD player and a computer.

The cost of the computer was \$1200, which was twice the cost of the DVD player. How much was the down payment on the motorcycle? [5m]

Type : _____

5. There were some water in jug E, jug F and jug G. The ratio of water in jug F to jug G was 1:2. $\frac{3}{5}$ of water was transferred from jug F to jug E and $\frac{4}{7}$ of water was transferred from jug G to jug E. As a result, jug E contained 80 ml of water and jug G contained 21 ml of water .

- a) How much water was in jug E at first? [4m]
b) How much water was left in jug F? [1m]

Type : _____

6. Mr Tan gave 1200 sweets to four boys, Alan, Benny, Charlie and David. Alan receives $\frac{1}{2}$ of the total number of sweets received by Benny, Charlie and David. Benny received $\frac{2}{3}$ of the total number of sweets received by Charlie and David. Charlie received 3 times as many sweets as David.

- a) How many sweets did David get? [2m]

What fraction of Alan's sweets is David's sweets if Alan gave 100 sweets to David? [3m]

Type : _____