

# Ratio Worksheet

## P5 Mathematics CA2 2015

References:  
P5 Math CA2 papers of NHPS, RS

For each question, four options are given. One of them is the correct answer.  
Make your choice (1,2,3 or 4).

1. There were 56 beads in a box. 7 of them were red beads while the rest of them were green beads. What is the ratio of red beads to green beads to the total number of beads in simplest form?  
(1) 1 : 7 : 8  
(2) 1 : 7 : 9  
(3) 7 : 1 : 9  
(4) 8 : 7 : 1 ( )
2.  $\frac{2}{5}$  of a jug was filled with orange juice. The orange juice from the jug was then poured into an empty cup and  $\frac{6}{7}$  of the cup was filled. What was the ratio of the capacity of the jug to the capacity of the cup?  
(1) 5 : 7  
(2) 7 : 5  
(3) 7 : 15  
(4) 15 : 7 ( )
3. The ratio of Mary's number of stickers to Ken's number of stickers is 2 : 3. The ratio of Ken's number of stickers to Leo's number of stickers is 2 : 5. What is the ratio of Mary's number of stickers to Leo's number of stickers?  
(1) 2 : 5  
(2) 3 : 5  
(3) 2 : 3  
(4) 4 : 15 ( )
4. Mrs Tang bought 12 raisin buns, 21 butter buns and 15 coconut buns. What was the ratio of the number of butter buns to the total number of buns?  
(1) 7 : 9  
(2) 7 : 16  
(3) 9 : 7  
(4) 9 : 16 ( )
5. Raju, Su Ling and Tom shared \$640 in the ratio 1 : 3 : 4. How much more money did Raju and Tom receive than Su Ling?  
(1) \$16  
(2) \$80  
(3) \$160  
(4) \$480 ( )

Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

6. There are 12 red balloons and twice as many green balloons in a party. If 10 green balloons are burst, find the ratio of the remaining number of green balloons to that of red balloons. Give your answer in the simplest form.

Ans: \_\_\_\_\_

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7. In Class 5M,  $\frac{1}{2}$  of the number of boys is equal to  $\frac{2}{3}$  of the number of girls in class. Find the ratio of the total number of girls to the total number of boys in the class.

Ans: \_\_\_\_\_

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8.  $84 : 36 = 7 : \underline{\hspace{1cm}}$   
What is the missing number in the box?

Ans: \_\_\_\_\_

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9. The ratio of the number of boys to the number of girls in a class is 5 : 6. There are 20 boys in the class. How many girls are there in the class?

Ans: \_\_\_\_\_ °

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10. Express 20 : 36 : 16 in its simplest form.

Ans: \_\_\_\_\_

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11. There are 40 marbles in a box. 8 of them are red and the rest are blue. Find the ratio of the total number of marbles in the box to the number of blue marbles.

Ans: \_\_\_\_\_

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# Answer Key

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Subject: Primary 5 Maths – Ratios

Paper: CA2 2015

Q1	Q2	Q3	Q4	Q5
1	4	4	2	3

6.  $7 : 6$

7.  $\frac{1}{2} = \frac{2}{4}$  (boys)

$\frac{2}{3}$  (girls)

Total girls : Total boys ->

$\frac{3}{2} : \frac{4}{2} \rightarrow 3 : 4$

Hence, the ratio is 3 : 4

8. 3

9. 24

10.  $5 : 9 : 4$

11.  $5 : 4$

References:

Q(1,2,6,7)=NHPS(Q6,12,23,28)

Q(3,8,9)=RS(Q6,20,22)

Q(4,5,10,11)=RS2014(Q4,14,18,25)