Ratio and Proportion Overview – www.m4ths.com

(1) Simplify the ratio 5:10

(2) 6 pens cost £2.10, find the cost of 5 identical pens

(3) Share £40 in the ratio 2:3

(4) Which is best value? 6 cakes for £2.52 or 11 for £4.51

(5) Money is shared in the ratio 2:5. The smaller part is worth £10, how much is the larger part worth?

(6) Simplify the ratio 2:4:12

(7) Share £30 in the ratio 1:2:3

(8) Which is better value? 7 cakes for £220.50 or 15 cakes for £468

(9) Some money is shared in the ratio 2:5. The larger share is worth £12 **more**. What is the smaller share worth?

(10) 14 cakes cost £3.64. What is the greatest number of cakes you can buy with £5?

(11) 42:6 can be simplified to n:1, find the value of n

(12) Some money is shared between Bob and Fred in the ratio 4:9. Given that Fred has £27, how much money was shared?

(13) Which is better value? 13 sweets for 91p or 28 sweets for £2.24

(14) Jim has 1/5 of a cake and Terry has the rest. Write the ratio of the cake Jim has to the cake Terry has.

(15) Katy has half a cake, Sue has 1/3 of the cake and Jane eats the rest. Write the ratio of cake they have each had.

(16) The ratio 3:N:15 simplifies to 1:6:M. Find the value of N and M

(17) Share £42 in the ratio 1:1:1:3

(18) Some money is shared in the ratio 1:3. The larger share is worth £9 more than the smaller share. How much was the larger share?

(19) 8 hats cost £340. How many hats could you buy with £100?

(20) Share £48 in ratio 1:2

(21)* The ratio of cats to dogs is 1:3 and the ratio of dogs to frogs is 4:5. What is the ratio of cats to frogs?

(22) *Jim has 1/5 of a cake and Pete has 2/3 of a cake. What is the ratio of cake Pete has to Jim?

(23)* Bob has 30% of a cake, Fred 2/5 an Paul the rest. Write the ratio each has in its simplest form.

(24) *Jim, Kim and Bob share some money in the ratio 2:3:4. Bob has £1.50 more than Kim. How much money was shared?