

Section A – Sharing into a Ratio – Non-calculator

- (1) Share £50 in the ratio 1:4
- (2) Share £20 in the ratio 3:2
- (3) Share £16 in the ratio 1:3
- (4) Share 300kg in the ratio 1:5
- (5) Share 40 in the ratio 1:1:3
- (6) Share £21 in the ratio 1:2:4
- (7) Share 45cm in the ratio 2:7

Calculator Section

- (8) Share £1.75 in the ratio 5:2
- (9) Share 30.6cm in the ratio 1:5
- (10) Share 245 in the ratio 2:3
- (11) Share £26.07 in the ratio 8:3
- (12) Share 3296km in the ratio 1:4:3
- (13) Share £955.50 in the ratio 7:8
- (14) Share £108 in the ratio 1:2:3:6

Section B – Amounts already shared

- (15) Jim and Kim share some money in the ratio 4:1. Jim has £20. How much does Kim have?

- (16) Jack and Fred share some sand in the ratio 3:4. Fred has 8kg of sand. How much does Jack have?

- (17) Jess and Chloe share some money in the ratio 6:1. Chloe has £8. How much does Jess have?

- (18) Billy and Millie share some money in the ratio 7:3. Billy has £21. HOW MUCH MONEY WAS ORIGINALLY SHARED IN TOTAL?

- (19) Sam and Tom share some coke in the ratio 5:2. Tom has 400ml. How much more coke does Sam have?

(20) Some money is shared between Ahmed, Bob and Cassie in the ratio 6:2:5. Bob has £12. How much does Ahmed get and how much does Cassie get?

21) Jeff and Bob share some money in the ratio 3:5. Given that Bob has £12 MORE than Jeff, find out how much they each have.

(22) Jim and Tim share some money in the ratio 2:7. Given that Jim has £15 less than Tim, find out how much was shared.

(23) Some money was shared in the ratio 1:3:9. The largest share was £32 greater than the smallest share. What was each share worth?

Miscellaneous Ratio Questions!

- (24) Write 5:8 in the form (i) 1:n and (ii) n:1

- (25) For every 2 boys there are 3 girls in a class. Write the ratio of girls to boys in its simplest form.

- (26) Jane has $\frac{2}{3}$ of a cake and Polly eats the rest. Write the ratio of the amount of cake Jane and Polly had.

- (27) Simplify the ratio £1.40 : 20p

- (28) Jim has $\frac{1}{4}$ of a cake and Bob has $\frac{1}{2}$ of a cake. Write the ratio of the amount of cake Jim has to what Bob has.

- (29) The ingredients of a cake are in the ratio 8:3:2 for flour, sugar and butter. 135g of sugar was used to make the cake. What did the ingredients weigh in total?

- (30) Fully simplify the ratio 3km: 240m: 600cm