

Sharing Ratio Problems Worksheet

Three friends, Alice, Ben, and Chloe, share £180 in the ratio 2:3:4. How much does each person receive?

A sum of £210 is divided between Daniel and Emma in the ratio 5:2. How much does each get?

£360 is to be divided among four siblings—James, Kelly, Liam, and Mia—in the ratio 1:2:3:4. Calculate the amount each receives.

A prize fund of £270 is shared between two teams in the ratio 7:2. How much does each team receive?

A company shares a bonus of £500 among five employees in the ratio 2:2:3:1:2. Find the bonus each employee receives.

£150 is split between Sophie and Tom in the ratio 4:1. How much more does Sophie get than Tom?

The total cost of three items is £84. If the costs are in the ratio 1:2:5, what is the cost of each item?

Two brothers share £96 in the ratio 5:7. How much does each brother get?

A teacher divides £240 among three students in the ratio 3:5:7. Find the amount received by each student.

£420 is to be shared between Grace and Harry so that Grace gets twice as much as Harry. What is the ratio, and how much does each receive?

Answer Key

1. Alice: £40, Ben: £60, Chloe: £80
2. Daniel: £150, Emma: £60
3. James: £36, Kelly: £72, Liam: £108, Mia: £144
4. First team: £210, Second team: £60
5. Bonuses: £100, £100, £150, £50, £100
6. Sophie gets £120, Tom gets £30; Sophie gets £90 more than Tom
7. Costs: £10.50, £21.00, £52.50.
8. First brother: £40, Second brother: £56
9. Students receive £~~£48~~, ~~£80~~, ~~£112~~. } respectively
10. Ratio is 2:1; Grace: £280, Harry: £140