

## Sharing and Combining Ratios

- (a) Divide £50 in the ratio 4 : 1
- (b) Divide £70 in the ratio 4 : 1
- (c) Divide £70 in the ratio 4 : 3
- (d) Divide £140 in the ratio 2 : 5
- (e) Divide £64 in the ratio 3 : 5
- (f) Divide £64 in the ratio 3 : 1 : 4
- (g) Divide £72 in the ratio 3 : 2 : 4
- (h) Divide £132 in the ratio 5 : 2 : 4

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(a) Aisha and Arthur share £150 in the ratio of their ages. Aisha is 14 and Arthur is 11. How much does each of them receive?

(b) There are 33 children in a class. The ratio of boys to girls is 7 : 4. How many girls are there in the class?

(c) The sides of a triangle are in the ratio 3 : 4 : 5. The perimeter of the triangle is 72 cm. What is the length of the longest side?

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(a) The ratio of A to B is 3 : 1. The ratio of B to C is 2 : 5. What is the combined ratio A : B : C?

(b) The ratio of red to yellow counters is 7 : 1. The ratio of yellow counters to green counters is 3 : 5. What is the ratio of red to yellow to green counters?

(c) At a zoo, the ratio of monkeys to meerkats is 2 : 7. The ratio of monkeys to penguins is 4 : 3. What is the ratio of meerkats to monkeys to penguins?

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(a) The ratio of C to D is 4 : 3. The ratio of D to E is 2 : 5. What is the ratio C : D : E?

(b) The ratio of squares to circles is 2 : 3. The ratio of circles to triangles is also 2 : 3. What is the ratio of squares to triangles?

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