

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

- (a) £40, £10
- (b) £56, £14
- (c) £40, £30
- (d) £40, £100
- (e) £24, £40
- (f) £24, £8, £32
- (g) £24, £16, £32
- (h) £60, £24, £48

(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?

(a) £84, £66

(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?

(b) 12 girls

(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?

(c) 30 cm

(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?

(a) A : B : C
6 : 2 : 5

(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?

(b) R : Y : G
21 : 3 : 5

(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?

(c) Meer : Mon : Peng
14 : 4 : 3

(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?

(a) C : D : E
8 : 6 : 15

(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?

(b) Sq : TR
4 : 9