**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) 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?

(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?

(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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