

## Dividing in a Ratio

(a) Vanessa and Jo share £128 in the ratio 5 : 3. Work out how much money Vanessa receives.

(a) £80

(b) Kai and David share £84 in the ratio 1 : 3. Calculate the amount of money Kai gets.

(b) £21

(c) A piece of wood is of length 45 cm. The length is divided in the ratio 7 : 2. Work out the length of each part.

(c) 35cm & 10cm

(d) Mrs. Brown shared £375 between her two children in the ratio 2 : 13. She gave the bigger share to Matt. Work out how much money she gave to Matt.

(d) £325

(e) Amy, Beth and Colin share 36 sweets in the ratio 2 : 3 : 4. Work out the number of sweets that each of them receives.

(e) A : B : C  
8 : 12 : 16

(f) Three women earned a total of £36. They shared the £36 in the ratio 7:3:2. Donna received the largest amount. Work out the amount Donna received.

(f) £21

(g) Derek, Erica and Fred share £108 in the ratio 3:4:2. Calculate the amount of money Erica gets.

(g) £48

(h) Mr Brown makes some compost. He mixes soil, manure and leaf mould in the ratio 3:1:1. Mr Brown makes 75 litres of compost. How many litres of soil does he use?

(h) 45 litres

(i) Lillian, Max and Nazia share a sum of money in the ratio 2 : 3 : 5. Nazia receives £60 more than Max. Work out how much money Lillian receives.

(i) 1 part = £30  
Lillian gets £60

(j) Ann and Bob shared £240 in the ratio 3 : 5. Ann gave a **half** of her share to Colin. Bob gave a **tenth** of his share to Colin. What fraction of the £240 did Colin receive?

(j) Colin gets  $1.5 + 0.5 = 2$  parts  
1 part = £30  
So Colin gets £60