Sharing prize money 1

Example question: share a prize of £50 between Narinder and Habib in the ratio 2:3.

Number of shares needed (5)	2 + 3 = 5	+
1 share is (£10)	£50 ÷ 5 = £10	÷
2 shares are (£20)	2 × £10 = £20	×
3 shares are (£30)	3 × £10 = £30	×
5 shares are (£50)	£20 + £30 = £50	+

Check to see if the answer makes sense: £20 + £30 = £50 (yes!). So, Narinder's share is £20 and Habib's share is £30.

Now have a go at the questions below by solving these problems:

- find out how many shares are needed (+)
- find out the value of 1 share (÷)
- work out the amounts for the shares in the ratio (×)
- check to see if the answer makes sense (+)

1. £75 in the ratio 2:3

2. £60 in the ratio 4:5:1
(Tip: add all the shares in the same way.)

3. £28 in the ratio 4:3

4. £2,500 in the ratio 1:4

5. You've been given the heights of two candles: Candle A is 9 cm high; Candle B is 30 mm high. What is the ratio of their heights?
(Tip: make sure the things you're sharing are in the same units. There are 10 mm in 1 cm.)

Now check your answers with the answer sheet.