Sharing in a Ratio

Practice worksheet · KS3

Name: _____ Date: _____

1. Share £20 in the ratio 1 : 3

2. Share £24 in the ratio 1 : 2

3. Share £30 in the ratio 2 : 3

4. Share £28 in the ratio 3 : 4

5. Share £40 in the ratio 3 : 5

6. Share £36 in the ratio 4 : 5

7. Share £25 in the ratio 2 : 3

8. Share £32 in the ratio 3 : 5

9. Share £36 in the ratio 1 : 2 : 3

10. Share £60 in the ratio 2 : 3 : 5

★ stretch

11. Share £54 in the ratio 4 : 5

★ stretch

12. Share £72 in the ratio 2 : 3 : 4

★ stretch

13. Share £120 in the ratio 5 : 7

★ stretch

14. Amy and Ben share £42 in the ratio 2 : 5. How much does each get? (£)

★ stretch

15. A bag of 45 sweets is shared in the ratio 4 : 5. How many in each share?

★ stretch

16. Two friends share £64 of prize money in the ratio 3 : 5. Find each share. (£)

★ stretch

Answers

Sharing in a ratio

1. 4 parts → £5 per part = £5 and £15
2. 3 parts → £8 per part = £8 and £16
3. 5 parts → £6 per part = £12 and £18
4. 7 parts → £4 per part = £12 and £16
5. 8 parts → £5 per part = £15 and £25
6. 9 parts → £4 per part = £16 and £20
7. 5 parts → £5 per part = £10 and £15
8. 8 parts → £4 per part = £12 and £20
9. 6 parts → £6 per part = £6, £12, £18
10. 10 parts → £6 per part = £12, £18, £30
11. 9 parts → £6 per part = £24 and £30
12. 9 parts → £8 per part = £16, £24, £32
13. 12 parts → £10 per part = £50 and £70
14. 7 parts → £6 per part = £12 and £30
15. 9 parts → 5 per part = 20 and 25
16. 8 parts → £8 per part = £24 and £40