

Name: \_\_\_\_\_



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1) Fully simplify the following ratios:

a) 4 : 12

**1:3**

e) 18 : 30

**3:10**

i) 52 : 72

**13:18**

b) 20 : 15

**4:3**

f) 10 : 14

**5:7**

j) 120 : 88

**15:11**

c) 6 : 18

**1:3**

g) 42 : 7

**6:1**

k) 10 : 12 : 8

**5:6:4**

d) 25 : 10

**5:2**

h) 54 : 36

**3:2**

l) 9 : 21 : 45

**3:7:15**

2) Share the following amounts into the given ratios:

a) £25 in the ratio 1 : 4

**£5, £20**

e) £72 in the ratio 7 : 5

**£42, £30**

b) £40 in the ratio 3 : 7

**£12, £28**

f) £250 in the ratio 3 : 7

**£75, £175**

c) £64 in the ratio 3 : 5

**£24, £40**

g) £96 in the ratio 5 : 3

**£60, £36**

d) £44 in the ratio 3 : 1

**£33, £11**

h) £120 in the ratio 1 : 2 : 3

**£20, £40, £60**

3) Find the value of the money that was shared out:

a) Some money was shared in the ratio 4:5.  
The first person received £16.**£36**b) Some money was shared in the ratio 2:3.  
The first person received £12.**£30**c) Some money was shared in the ratio 7:4.  
The first person received £28.**£44**d) Some money was shared in the ratio 1:2:3.  
The second person received £32.**£96**e) Some money was shared in the ratio 5:8.  
The second person receives £3,000 more than the other.**£13000**f) Some money was shared in the ratio 10:2.  
The first person receives £4,000 more than the other.**£6000****Exam question:**

Andy, Bill and Charlie take a test.  
The ratio of Andy's score to Bill's score is 5 : 8  
Andy scores 9 fewer marks than Bill.  
Andy scores 4 more marks than Charlie.  
Work out Charlie's score.

