

Ratio – Difference Given

1. Tony and Luke share some money in the ratio 3:7 – Luke receives £20 more than Tony. How much do they each receive?
2. Tony and Luke share some money in the ratio 3:7 – Luke receives £10 more than Tony. How much do they each receive?
3. Katy and Becky share some money in the ratio 2:1. Katy receives £10 more than Becky. How much do they each receive?
4. The ratio of boys to girls in a class is 2:1. There are 8 more boys than girls. How many boys and girls in the class?
5. There are blue, red and yellow counters in a bag in the ratio 3:2:1. There are 6 more blue counters than red counters. How many counters are there in total?
6. There are blue, red and yellow counters in a bag in the ratio 9:6:3. There are 6 more blue counters than red counters. How many counters are there in total?
7. There are blue, red and yellow counters in a bag in the ratio 9:6:3. There are 18 more blue counters than red counters. How many counters are there in total?
8. A flapjack is made of oats, butter and syrup in the ratio 7:2:5. A recipe requires 180g more syrup than butter. How many grams of oats should I use?
9. A flapjack is made of oats, butter and syrup in the ratio 7:1:5. A recipe requires 180g more syrup than butter. How many grams of oats should I use?
10. A flapjack is made of oats, butter and syrup in the ratio 9:1:5. A recipe requires 140g more oats than butter. How many grams of flapjack will the recipe make in total?

Ratio – Difference Given – ANSWERS

1. Tony and Luke share some money in the ratio 3:7 – Luke receives £20 more than Tony. How much do they each receive? **Tony – £15 and Luke £35**
2. Tony and Luke share some money in the ratio 3:7 – Luke receives £10 more than Tony. How much do they each receive? **Tony – £7.50 and Luke – £17.50**
3. Katy and Becky share some money in the ratio 2:1. Katy receives £10 more than Becky. How much do they each receive? **Katy – £20. Becky – £10.**
4. The ratio of girls to boys in a class is 2:1. There are 8 fewer boys than girls. How many boys and girls in the class? **Boys – 8 and girls – 16.**
5. There are blue, red and yellow counters in a bag in the ratio 3:2:1. There are 6 more blue counters than red counters. How many counters are there in total? **36 counters**
6. There are blue, red and yellow counters in a bag in the ratio 9:6:3. There are 6 more blue counters than red counters. How many counters are there in total? **36 counters**
7. There are blue, red and yellow counters in a bag in the ratio 9:6:3. There are 18 more blue counters than red counters. How many counters are there in total? **108 counters**
8. A flapjack is made of oats, butter and syrup in the ratio 7:2:5. A recipe requires 180g more syrup than butter. How many grams of oats should I use? **– 420g.**
9. A flapjack is made of oats, butter and syrup in the ratio 7:1:5. A recipe requires 180g more butter than syrup. How many grams of oats should I use? **– 315g.**
10. A flapjack is made of oats, butter and syrup in the ratio 9:1:5. A recipe requires 140g more oats than butter. How many grams of flapjack will the recipe make in total? **– 262.5g**

