

Jason, Edward and Sam had a total of \$837. Jason had the least amount of money. The ratio of Edward's money to Sam's money was 4:3 at first. Jason and Edward each spent $\frac{1}{3}$ of their money. Given that the three boys had \$648 left, how much did Jason have at first?

A shopkeeper had some markers in red and blue. If 50 red markers and 25 blue markers were sold each week, there would be 500 red markers left when all the blue markers were sold. If 25 red markers and 50 blue markers were sold each week, there would be 800 red markers left when all the blue markers were sold. How many markers did the shopkeeper have at first?

Mr Lee packed some oranges into big boxes and apples into small boxes. Each box contained 50 oranges and each small box contained 30 apples. After packing, there were 12 more big boxes than small boxes. Given that there were 1240 fewer apples than oranges, how many oranges were there?

A large warehouse had a total of 2180 black, red and white T-shirts for sale. The ratio of the number of black T-shirts to the number of red T-shirts was 3:1. After $\frac{2}{5}$ of the black T-shirts, $\frac{1}{3}$ of the white T-shirts and none of the red T-shirts were sold on the first day, there were 1504 T-shirts left. How many red T-shirts did the warehouse have at first?

Mrs Lee made some curry puffs and sardine puffs. The ratio of the number of curry puffs to the number of sardine puffs was 3:4. She made another 65 curry puffs and sold 27 sardine puffs. The ratio became 5:3.

- (a) How many curry puffs and sardine puffs did Mrs Lee make altogether at first?
- (b) Mrs Lee sold all the curry puffs and sardine puffs she made at \$0.80 each. How much did she collect?

Eric and Fandi had some stamps. Eric's number of stamps is $\frac{4}{5}$ of Fandi's number of stamps. Eric gave away 12 of his stamps, while Fandi bought 5 more stamps. In the end, the ratio of Eric's stamps to Fandi's stamps is 2:5. How many stamps did Fandi have in the end?

In a cinema, the ratio of the number of girls to the number of boys was 3:2. The ratio of the number of women to the number of boys was 5:4. The ratio of the number of girls to the number of men was 2:5. During the movie, 6 women and 27 men left the cinema. The ratio of the number of women to the number of men then became 1:2.

- (a) Express the number of women as a fraction of the number of men at first. Leave your answer in its simplest form.
- (b) How many children were there in the cinema?

There were some balls in Boxes A, B and C. For every 3 balls in Box A, there were 7 balls in Box B. For every 5 balls in Box B, there were 6 balls in Box C. After 48 balls were transferred from Box C to Box A, the ratio of the number of balls in Box A to the number of balls in Box B to the number of balls in Box C became 19:35:38. Find the total number of balls in the three boxes.

Eugene, Freddy and George had some playing cards. Freddy had 200 more playing cards than Eugene. George had $\frac{3}{4}$ the number of cards Freddy had. After George lost $\frac{1}{6}$ of his cards to Eugene, he had 320 fewer cards than Eugene. What was the ratio of the number of cards Eugene had to the number of cards Freddy had to the number of cards George had in the end?

A shopkeeper had some blue and red pens in his book shop. There were twice as many red pens as blue pens. The shopkeeper sold the pens in bundles of 2 red pens and 3 blue pens. After selling all the blue pens, he still had 120 red pens left. How many pens did he have in his bookshop at first?

Ryan bought some pears and apples in the ratio of 3:5 respectively. The cost of an apple was \$0.50 less than the cost of a pear. He spent a total of \$95 buying the pears and apples. The total cost of the apples was \$5 more than the total cost of the pears. How much did each pear cost?

Mrs Raju spent \$72 on some mangoes, apples and peaches. The ratio of the amount of money she spent on the mangoes, apples and peaches was 3:2:1. Apples were sold at 5 for \$2. The number of mangoes she bought was $\frac{2}{5}$ the number of apples. The number of peaches she bought was $\frac{2}{3}$ the number of apples. Find the price of a mango.