Fractions and Ratio Worded Problems

Robbie and Gary share $675 in the ratio 5 : 4. Gary spends $\frac{5}{6}$ of his money on a new TV. How much does Gary's new TV cost?

Three sisters Delia, Emma and Fajar share £880 in the ratio 2 : 5 : 4. Emma gives $\frac{2}{5}$ of her money to her mother, and Fajar gives $\frac{3}{8}$ of her money to her mother. How much money does their mother get in total?

In a year group there are 120 children. The ratio of boys to girls is 5 : 3. Of the boys, $\frac{2}{5}$ wear glasses. Of the girls, $\frac{2}{9}$ wear glasses. What percentage of the students in the year group wear glasses?

In a cutlery drawer, knives, forks and spoons are in the ratio 6 : 5 : 3. There are 36 spoons in the drawer. Of the knives, 25% are dirty, and of the forks, $\frac{5}{12}$ are dirty. What fraction of all the cutlery is dirty?

There are 90 counters in a bag, either red or green or yellow. $\frac{1}{5}$ of the counters are yellow. The ratio of red counters to green counters is 7 : 5. Ten red counters are removed from the bag. Find the percentage of counters remaining in the bag that are red.