Fraction of an Amount

1a. There are 720 cards in a shop. $\frac{10}{24}$ of the cards in the shop are birthday cards and $\frac{5}{30}$ of the cards are anniversary cards.

How many cards are NOT for birthdays or anniversaries?

1b. There are 2,772 people at a concert. $\frac{12}{44}$ of the people at the concert are male adults and $\frac{14}{63}$ of the people are female adults. The rest are children.

How many children are at the concert?

2a. Che and Mia are working at the same office which has 864 employees.

Che says,

> I know $\frac{14}{24}$ of the employees.

Mia says,

> I know $\frac{10}{18}$ of the employees.

Who knows the most employees? Convince me.

2b. Leo and Moses share £3,300.

Leo says,

> I have $\frac{6}{22}$ of the money.

Moses says,

> I have $\frac{10}{25}$ of the money.

Who has the most money? Convince me.

3a. Use the cards to balance the statement below. Each card can only be used once in a statement. Find 2 different solutions.

$$\frac{\square}{\square} \text{ of } 200 = \frac{\square}{\square} \text{ of } 250$$

| 30 | 24 | 12 | 40 | 18 | 50 |

3b. Use the cards to balance the statement below. Each card can only be used once in a statement. Find 2 different solutions.

$$\frac{\square}{\square} \text{ of } 300 = \frac{\square}{\square} \text{ of } 240$$

| 25 | 88 | 22 | 11 | 55 | 50 |