Main Task – Answers

Alex is wrong because she has added the numerators and the denominators rather than finding a common denominator.
It should be
$$\frac{9}{15} + \frac{1}{15} = \frac{10}{15} = \frac{2}{3}$$

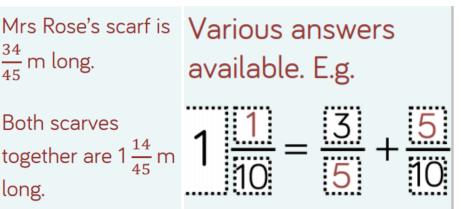The car has travelled $\frac{13}{15}$ of the journey altogether.

There is $\frac{2}{15}$ of the journey left to travel.
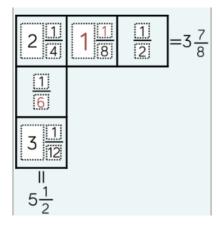
The car travelled 180 miles in the morning.
The car travelled 54 miles in the afternoon.
The car has 36 miles left to travel.

Mrs Rose's scarf is $\frac{34}{45}$ m long.

Both scarves together are $1\frac{14}{45}$ m long.

Various answers available. E.g.

$$1\frac{1}{10} = \frac{3}{5} + \frac{5}{10}$$

$$2\frac{1}{4} \quad 1\frac{1}{8} \quad \frac{1}{2} = 3\frac{7}{8}$$

$$\frac{1}{6}$$

$$3\frac{1}{12}$$

$$=$$

$$5\frac{1}{2}$$

Dora uses $5\frac{7}{20}$ kg of flour, sugar and butter altogether.

Dora uses $1\frac{1}{4}$ kg more flour than butter.

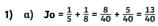Dora uses $\frac{7}{20}$ kg less butter than sugar.
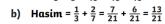
$$5\frac{5}{12} - 3\frac{2}{3} = 1\frac{9}{12}$$

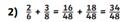The orange box is $1\frac{3}{4}$

$$1\frac{3}{4} - 1\frac{1}{16} = \frac{11}{16}$$

The orange box is $\frac{11}{16}$ greater than the blue box.

Support Task – Answers

1) a) Jo = $\frac{1}{5} + \frac{1}{8} = \frac{8}{40} + \frac{5}{40} = \frac{13}{40}$

   b) Hasim = $\frac{1}{3} + \frac{2}{7} = \frac{7}{21} + \frac{6}{21} = \frac{13}{21}$

   c) Krystal = $\frac{2}{5} + \frac{3}{7} = \frac{14}{35} + \frac{15}{35} = \frac{29}{35}$

2) $\frac{2}{6} + \frac{3}{8} = \frac{16}{48} + \frac{18}{48} = \frac{34}{48}$

   $2 - \frac{34}{48} = \frac{62}{48} = 1\frac{14}{48} = 1\frac{7}{24}$

   $1\frac{7}{24}$ of the two cakes were eaten.

3) Children's answers will vary.