

Estimated Mean solutions

Green Section

1. 30.5
2. 37.75m
3. 4.58mph
4. 56.05%

Yellow Section

1. 18.71 (1 d.p.)
2. 88.36 (2 d.p.)
3. 4.42 (2 d.p.)
4. 66.54 (2 d.p.)
5. 52.47 (2 d.p.)
6. 29.90 (2 d.p.)

Red Section

1. 138.75 or 141.35. Therefore boys are taller on average.
2. 32.2 or 35.68 (2 d.p.). Therefore Pizza Express has the quicker delivery time.

Apply

1. a)

$$12 + 2x + 3 + 3x + 5 + x = 6x + 20$$

$$6x + 20 = 80$$

$$x = 10$$
 b) Mean = 24.44 (2 d.p.)
2. The total should be 700 which he then uses later on. He has divided by 4. He should have divided by the total frequency. The estimate for the mean is £17.50