

L.O. To solve word problems involving decimals.

		Hull	York	Leeds
Adult	single	£12.50	£15.60	£10.25
	return	£23.75	£28.50	£19.30
Child	single	£8.50	£10.80	£8.25
	return	£14.90	£17.90	£14.75

1. Look at the table above

a. What is the total cost for a return journey to York for one adult and one child? $£28.50 + £17.90 = £46.40 = \text{total cost}$

b. What is the total cost for one adult return to Hull and a single adult to Leeds? $£23.75 + £10.25 = £34.00 = \text{total cost}$

2. Michael Schumacher can travel at 166.35 miles per hour in his Ferrari. How far can he travel in 3 hours?

$$166.35 + 166.35 + 166.35 = 499.05 \text{ miles in 3 hours}$$

3. The temperature in the classroom was 21.8 °C. Claire left the door open and the temperature dropped by 3.7 °C. What was the temperature now?

$$21.8 - 3.7 = 18.1^{\circ}\text{C} = \text{This was the temperature now.}$$

4. Sarah was 88.49 cm tall when she was 3 years old. By the time she was 18, Sarah had grown a further 83.91 cm. How tall was she when she was 18?

$$88.49 + 83.91 = 172.4 \text{ cm tall at the age of 18}$$

5. Long-haired Lucy decided it was time for a new haircut. She went to the hairdressers with hair 74.2 cm long. When she left it was 21.6cm long. How much had the hairdressers taken off?

$$74.2 - 21.6 = 52.6 \text{ cm of hair was cut off}$$