

Year 6 task variation:

Billy went into a coffee shop and bought a coffee and a cake.

A cake cost 75p more than a coffee. The bill totalled £2.65. How much was the cake and how much was the coffee?

Total cost = £2.65	
Coffee	Cake

Coffee

←
75p more
→

Cake

} Total =
 £2.65

$$£2.65 - 75p = £1.90$$

Total cost = £2.65		
Coffee	Cake	75p
£1.90		75p

$$£1.90 = \text{Coffee} + \text{cake (minus 75p)}$$

$$£1.90 \div 2 = 95p$$

$$\text{Coffee} = 95p$$

$$\text{Cake} = 95p + 75p = £1.70$$

Variations to complete:

Billy went into a coffee shop and bought a coffee and a cake.

A cake cost 90p more than a coffee. The bill totalled £3.70. How much was the cake and how much was the coffee?

Space for working:

Billy went into a coffee shop and bought a coffee and a cake.

A cake cost 55p more than a coffee. The bill totalled £3.75. How much was the cake and how much was the coffee?

Space for working: