

**SMART EXAM RESOURCES**  
**TOPIC : NUMBERS**  
**SUB-TOPIC:PERCENTAGE DECREASE**  
**SET-1-QP-MS**

- 1** In a sale, the cost of a coat is reduced from \$85 to \$67.50 .  
 Calculate the percentage reduction in the cost of the coat.

*Answer* ..... % [3]

**MARK SCHEME:**

20.6 or 20.58 to 20.59	<b>3</b>	<p><b>M2</b> for <math>\frac{85-67.5}{85} \times 100</math> or <math>\left(1 - \frac{67.5}{85}\right) \times 100</math></p> <p>or <b>M1</b> for <math>\frac{85-67.5}{85}</math> or <math>\frac{67.5}{85} \times 100</math></p> <p>If zero scored <b>SC1</b> for <math>\frac{67.5-85}{85} \times 100</math></p>
------------------------	----------	--

- 2 (a) In 2007, a tourist changed 4000 Chinese Yuan into pounds (£) when the exchange rate was £1 = 15.2978 Chinese Yuan.  
Calculate the amount he received, giving your answer correct to 2 decimal places.

Answer(a) £ ..... [2]

- (b) In 2006, the exchange rate was £1 = 15.9128 Chinese Yuan.  
Calculate the percentage decrease in the number of Chinese Yuan for each £1 from 2006 to 2007.

Answer(b) ..... % [2]

**MARK SCHEME:**

(a) 261.48 cao	2	<b>M1</b> 4000 / 15.2978
(b) (±)3.86(48...) or 3.865	2	<b>M1</b> (15.9128 – 15.2978)/15.9128 (× 100) or (“261.48 – 4000/15.9128) / “261.48”

- 3** (a) In 2007, a tourist changed 4000 Chinese Yuan into pounds (£) when the exchange rate was £1 = 15.2978 Chinese Yuan.  
Calculate the amount he received, giving your answer correct to 2 decimal places.

Answer(a) £ ..... [2]

- (b) In 2006, the exchange rate was £1 = 15.9128 Chinese Yuan.  
Calculate the percentage decrease in the number of Chinese Yuan for each £1 from 2006 to 2007.

Answer(b) ..... % [2]

**MARK SCHEME:**

(a) 261.48 cao	2	<b>M1</b> 4000 / 15.2978
(b) (±)3.86(48...) or 3.865	2	<b>M1</b> (15.9128 – 15.2978)/15.9128 (×100) oe or (“261.48” – 4000/15.9128) / “261.48”