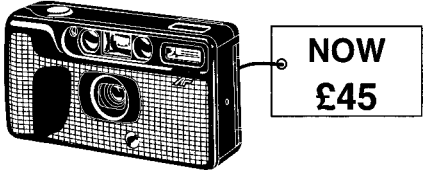



Percentages

2008 P2	<p>1. A local council recycles 42 000 tonnes of waste a year.</p> <p>The council aims to increase the amount of waste recycled by 8% each year.</p> <p>How much waste does it expect to recycle in 3 years time?</p> <p>Give your answer to three significant figures.</p>	4		
Ans	52900 tonnes.			
2008 P2	<p>3. In a sale, all cameras are reduced by 20%.</p> <p>A camera now costs £45.</p> <p>Calculate the original cost of the camera.</p>		3	
Ans	£56.25			
2007 P2	<p>1. Alistair buys an antique chair for £600.</p> <p>It is expected to increase in value at the rate of 4.5% each year.</p> <p>How much is it expected to be worth in 3 years?</p>		3	
Ans	£684.70			
2007 P2	<p>5. Mark takes some friends out for a meal.</p> <p>The restaurant adds a 10% service charge to the price of the meal.</p> <p>The total bill is £148.50.</p> <p>What was the price of the meal?</p>		3	
Ans	£135			
2006 P2	<p>3. Harry bids successfully for a painting at an auction.</p> <p>An “auction tax” of 8% is added to his bid price.</p> <p>He pays £324 in total.</p> <p>Calculate his bid price.</p>		3	
Ans	£300			
2005 P1	<p>3. Evaluate</p> <p style="text-align: center;">12.5% of £140.</p>		2	
Ans	£17.50			

2004 P1	<p>6. Marmalade is on special offer.</p> <p>Each jar on special offer contains 12.5% more than the standard jar.</p> <div style="text-align: center;">  </div> <p>A jar on special offer contains 450 g of marmalade.</p> <p>How much does the standard jar contain?</p>	3
Ans	400g	
2004 P2	<p>4. 250 milligrams of a drug are given to a patient at 12 noon.</p> <p>The amount of the drug in the bloodstream decreases by 20% every hour.</p> <p>How many milligrams of the drug are in the bloodstream at 3pm?</p>	3
Ans	128mg	
2003 P2	<p>1. Bacteria in a test-tube increase at the rate of 0.6% per hour.</p> <p>At 12 noon, there are 5000 bacteria.</p> <p>At 3pm, how many bacteria will be present?</p> <p>Give your answer to 3 significant figures.</p>	4
Ans	5090	
2002 P2	<p>2. A microwave oven is sold for £150.</p> <p>This price includes VAT at 17.5%.</p> <p>Calculate the price of the microwave oven without VAT.</p>	3
Ans	£127.66	

2001 P2	<p>3. In 1999, a house was valued at £90 000 and the contents were valued at £60 000.</p> <p>The value of the house appreciates by 5% each year.</p> <p>The value of the contents depreciates by 8% each year.</p> <p>What will be the total value of the house and the contents in 2002?</p>	3	
Ans	£150907.53		
2000 P2	<p>1. In January 1999, it was estimated that the number of monkeys in a colony was 5000.</p> <p>The number of monkeys is decreasing at the rate of 12% per year.</p> <p>How many monkeys are expected to be in this colony in January 2002?</p> <p>Give your answer to the nearest 10.</p>	4	
Ans	3410		