

Question 1:

- 2 A child's bus fare is cheaper than the adult fare but is more than half the adult fare. The total cost of a single journey for an adult and two children is £1.20. Adult fares are all multiples of 10 p.

What is the adult fare?

- A 30 p
- B 40 p
- C 50 p
- D 60 p
- E 70 p

Question 2:

- 12 Pierre and Marc are waiters. In one particular month, Pierre worked 30 sessions at the normal rate and 10 sessions at the overtime rate. Marc worked 20 sessions at the normal rate and 5 sessions at the overtime rate. At the end of this month, Pierre earned 700 euros. Marc earned 425 euros.

What is the overtime rate per session?

- A 35 euros
- B 30 euros
- C 25 euros
- D 20 euros
- E 15 euros

Question 3:

- 31 John has 15kg of general potting compost which is made up of $\frac{1}{3}$ sand and $\frac{2}{3}$ coir. He wants compost to repot some conifers which require a better draining mixture of 60% sand to 40% coir.

How much sand does he have to add to his general purpose compost to make it suitable for conifers?

- A 5 kg
- B 10 kg
- C 15 kg
- D 20 kg
- E 25 kg

Question 4:

In a prize weight-lifting competition the winner receives \$100 if he lifts 80kg. He then receives \$10 for the next 5 additional kg, \$15 for the second, and the incremental prize money increases by a further \$5 for each additional unit of 5kg he successfully lifts. The winner of the competition lifts 110kg.

How much prize money does he receive?

- A. \$ 130
- B. \$ 160
- C. \$ 235
- D. \$ 240
- E. \$ 310

Question 5:

All's fair in love and war - and motor racing. That's how some commentators view the failed attempt by a great driver to disable his main rival's car by steering into it. Had he succeeded, he would have won the championship, because he was ahead on points. Fair? Why not? It may have been dangerous and irresponsible but it was not unfair. This driver had earned his one-point lead in the championship and was trying, like any serious competitor, to defend it. In a reversed situation, the other driver could - and arguably would - have done the same. Motor racing is a tough and uncompromising sport with huge incentives to win at all costs and all the drivers know what to expect.

Which of the following best summarises the main conclusion of the argument above?

- A. It was not unfair of the leading driver to steer into his rival's car.
- B. Motor racing is a fierce and ruthless sport with big rewards for winning.
- C. It is not irresponsible to try to win at all costs.
- D. Some commentators thought that the race had been fought fairly.
- E. Another driver in the same position would have acted in the same way.

Question 6:

The petrol tank of Jenny's car holds 50 litres of petrol. A warning light comes on when only 5 litres are left. She always fills it as soon as she can after the warning light comes on. The car travels 100km on 8 litres of petrol. Last time she put petrol in, which she was able to do immediately after the light came on, she only had \$6 with her so she spent it all on fuel at 60c per litre. She then drove 50km and saw a new garage offering petrol at 50c per litre - an offer too good to miss. She filled the tank completely and paid with her credit card. How much did it cost?

- A \$ 15.50
- B \$ 17.50
- C \$ 19.50
- D \$ 22.50
- E \$ 24.50

Question 7:

- 7 The following table gives figures for the percentage growth per year of labour productivity per person per year in various countries during three periods.

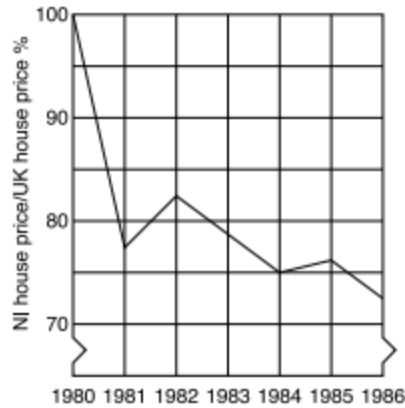
	<i>Period 1</i>	<i>Period 2</i>	<i>Period 3</i>
<i>Japan</i>	8.5	3.0	3.2
<i>France</i>	5.4	3.0	2.6
<i>United Kingdom</i>	3.6	1.5	2.4
<i>Belgium</i>	3.3	2.8	2.3
<i>Sweden</i>	4.1	1.5	1.8
<i>Denmark</i>	4.3	2.6	1.7
<i>Italy</i>	6.3	3.0	1.6
<i>Netherlands</i>	4.8	2.7	1.6
<i>Germany</i>	4.5	3.1	1.6
<i>United States</i>	2.2	0.0	0.8

Which country's percentage growth per year remained consistently greater than half of its Period 1 level throughout the following periods?

- A France
- B United Kingdom
- C Germany
- D Denmark
- E Belgium

Question 8:

- 38 The graph below shows Northern Ireland house prices as a percentage of the UK average (1980=100%) for the period 1980 to 1986.



Which one of the following pieces of information can be inferred from the graph above?

- A House prices in Northern Ireland fell by almost 30% in the period shown.
- B House prices in Northern Ireland rose in some years and fell in others.
- C Average house prices in the UK (outside Northern Ireland) have risen over the period shown.
- D In some years average prices in Northern Ireland rose compared to those in the UK as a whole.
- E House prices in Northern Ireland had peaked in 1980

Question 9:

Should parking fines be based on the driver's income?

One argument for; one argument against!

Question 10:

What changes in society will follow from increased life expectancy?

Three points!