

## Numerical Reasoning Practice Test 1

Question Booklet

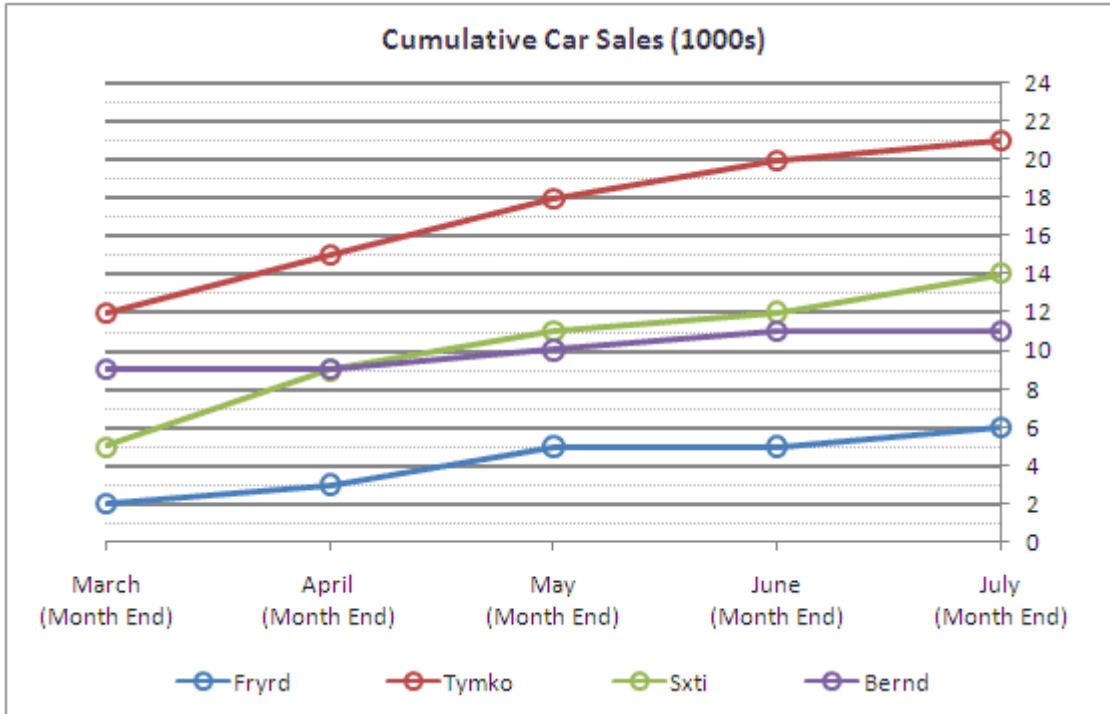
This is a **warm-up test** comprising just 12 questions. You will have 15 minutes to answer them.

Calculators are permitted for this test, and it is recommended you have some rough paper to work on.

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

Each question will have four possible answers, one of which is correct. You may click Back and Next during the test to review or skip questions.

Try to find a time and place where you will not be interrupted during the test. When you are ready, turn to the next page and begin.



- Q1** How many Bernd cars were sold in May?
- 10      1,000      5,000      10,000
- Q2** What were the total sales of Tymko cars for May, June and July combined?
- 21,000      16,000      22,000      6,000
- Q3** If the number of Bernd cars sold in July had been equal to the number of Bernd cars sold in June, how many more Bernd cars would have been sold during July?
- 1,000      1      12,000      2,000

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### City Population Composition 2000

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	Population at start of year (thousands)	Live births per 1000 population (Jan-Dec)	Deaths per 1000 population (Jan-Dec)	% Population under 15 at start of year	% Population aged 60 or over at start of year
London	7,500	11.2	9.7	16	18
Birmingham	995	13.6	12.7	18	22
Glasgow	600	13.8	13.2	21	21
Liverpool	500	13.4	12.4	22	22
Leeds	450	14.1	13.0	23	23

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**Q4** In Liverpool what was the net effect of live birth and death rates on the population during 2000?

200 decrease    600 increase    500 increase    300 increase

**Q5** How many live births occurred in 2000 in Birmingham and Glasgow combined?

21,812    18,210    16,700    32,100

**Q6** Of the cities shown, which had the lowest number of people under the age of 15 at the start of the year 2000?

Birmingham    Glasgow    Liverpool    Leeds

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**Money spent on public transport (£billion)**

	2006	2007	2008	2008 Population
UK	32	35	38	60,100,000
US	121	128	136	302,500,000
Germany	39	44	46	84,300,000
Italy	25	26	28	58,700,000

**Q7** Which of the countries shown experienced the largest percentage increase in public transport spending from 2007 to 2008?

UK    US    Germany    Cannot tell

**Q8** Which of the countries shown had the highest public transport spend per capita in 2008?

UK    US    Germany    Cannot say

**Q9** In 2007 Italy had a target to spend 8% more on public transport than they did in 2006. By how much were they short of this target?

£1 million    £1 billion    £0.1 billion    Cannot tell

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### Internet sales data for Newbags.com

Visitors from	Number of visitors	Number of visitors who made a purchase
Website W	315,380	2,876
Website X	26,850	284
Website Y	82,520	183
Website Z	12,630	204

*Data for period: 2008*

**Q10** Visitors arriving from which website were most likely to make a purchase at newbags.com?

Website W      Website X      Website Y      Website Z

**Q11** If the average profit made per sale at newbags.com was £12, approximately how much more profit was made from visitors from Website X than visitors from Website Y?

£1,212      £1,852      £867      £891

**Q12** Assuming all visitors arrived via either website W, X, Y or Z, approximately what percentage of visitors arrived at newbags.com from Website Y?

15.7%      18.9%      25.0%      30.3%

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