

Numerical Reasoning Practice Test 2

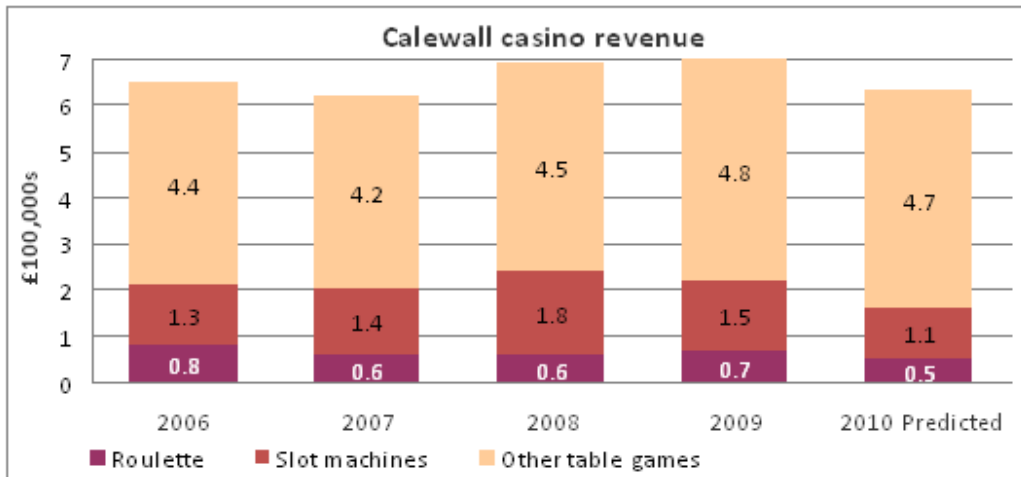
Question Booklet

This numerical reasoning test comprises **30 questions**, and you will have **30 minutes** in which to correctly answer as many as you can. 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.

You can submit your test at any time. If the time limit is up before you click submit the test will automatically be submitted with the answers you have selected. It is recommended to keep working until the time limit is up.

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



Calewall casino	Year	Annual attendances (100,000s)
	2006	14.6
2007	15.2	
2008	16.3	
2009	16.8	
2010 Predicted	16.5	

Q1 How much did the combined revenue from Slot machines and Roulette differ from that of Other table games between 2006-2009 inclusive (in £millions)?

- 0.9 9.0 9.2 0.92 None of these

Q2 What was the average amount gambled on Slot machines in 2007 by each individual who attended Calewall casino?

- £90.00 £9.00 £0.90 £900.00 £0.09

Q3 There is a £15 entrance fee for each person gambling at Calewall casino. In which year, or years, was the entrance fee revenue less than £23 million?

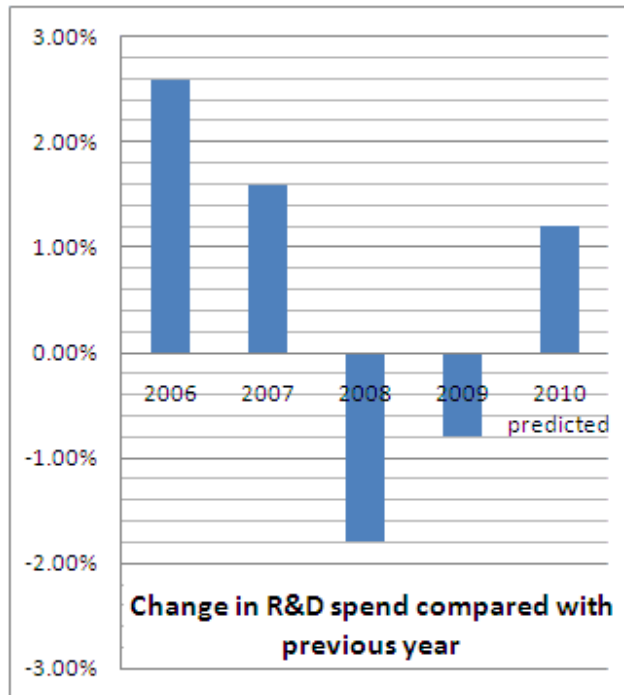
- 2006, 2007
 2007, 2008
 2007
 2006
 None of these

Q4 What will be the average annual change in attendance at Calewall casino across the years 2006-2010 if the 2010 prediction proves to be accurate?

- 47,500 decrease
- 53,500 decrease
- 52,500 increase
- 47,500 increase
- 53,500 increase

Q5 Calewall casino is subject to a takeover bid of 7 times its 2010 projected casino revenues. The Board responds that it can deliver 10% added value through cost-cuttings to this purchase price. What valuation is the Board putting on Calewall casino (in £millions)?

- £48.51 million £44.1 million £4.85 million £4.41 million £6.3 million



Teala Media; Total R&D projects for 2009	R&D Spend (£1000s)
Leadership development programme	425.9
Process improvement systems	672.8
Partnership with A.S.P. Systems	215.5
New product development	1,056.0
Spry Inc. joint venture	113.2

Q6 If the 2010 prediction proves to be accurate, what is the average annual percentage change in Teala Media's R&D spend across the 5 years shown?

- 0.53 0.54 0.55 0.56 0.57

Q7 What is the R&D spend projected to be for 2010?

- £2.5 million
- £2.75 million
- £3.0 million
- £3.25 million
- £3.5 million

Q8 What was the R&D spend for 2008 (to the nearest £1,000)?

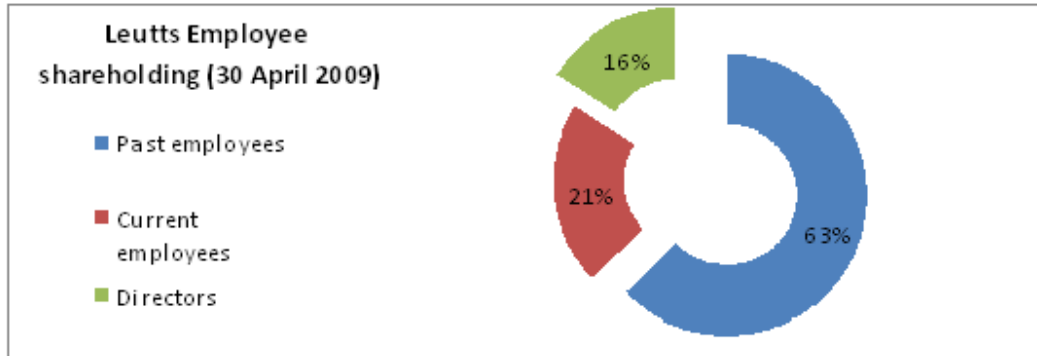
- £2,235,000
- £2,613,000
- £2,503,000
- £2,483,000
- £2,305,000

Q9 R&D costs were 12% of R&D spend in 2009. If R&D costs are projected to rise by 1.1% between 2009 and 2010, what is the 2010 predicted R&D sum available after costs are taken in to account?

£1.02million £1.22million £2.11million £2.21million £2.48million

Q10 If delays at the end of 2009 resulted in a 2.5% increase in the cost of each of the two most expensive projects, what is the total R&D spend for 2009 (to the nearest £1,000)?

£2,482,000
£2,527,000
£2,528,000
£2,556,000
None of These



List of All Directors	Number of Shares		
	At 1st April 2009	At 30 April 2009	At 31 st May 2009
Geoffrey Yates	1,100	1,050	910
Tobey Gilham	1,050	950	820
Susan Preddy	950	820	250
Samantha Hoxton	990	1,100	550
Trudy Stupples	1,200	960	2,400

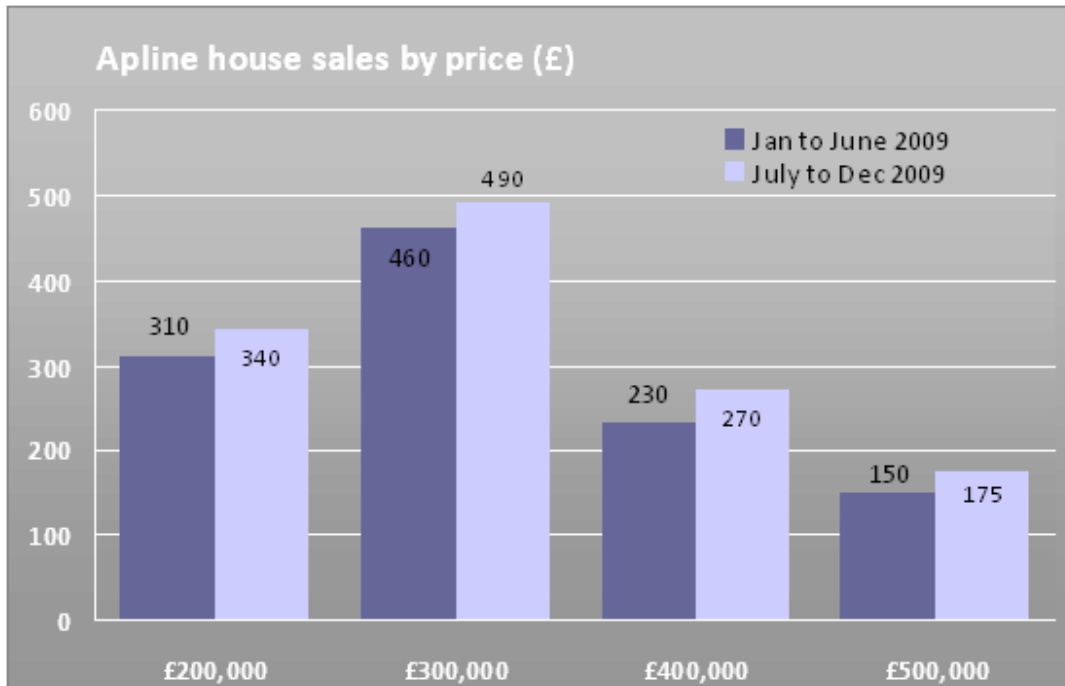
- Q11** What is the number of shares not held by Directors of Leutts (as of 30 April 2009)?
- 25,620 6,850 43,500 4,880 Cannot tell from data
- Q12** Which Director has bought or sold the largest number of shares across the 2-month period shown?
- Geoffrey Yates
Trudy Stupples
Samantha Hoxton
Susan Preddy
Tobey Gilham
- Q13** If Tobey Gilham sells half of his shareholding at 31 May 2009 at £45 per share, how much is this trade worth?
- £3,690 £18,250 £18,450 £9,230 £36,900

Q14 Which of the following statements is true?

Current employees and Directors owned 40% of Leutts shares on 30 April 2009
The largest Director share dealing was 1,440 shares
Directors held 4,870 shares in total on 30 April 2009
Tobey Gilham held the most shares of any Director on 1st April 2009
Each Director has less shares on 31 May 2009 compared to 1st April 2009

Q15 If Leutts shares are worth £52 on 30 April 2009, then what is the share valuation of the entire company?

£1,686,000 £1,588,000 £1,566,000 £1,586,000 £1,856,000



Q16 The total number of £400,000 Apline houses sold in 2009 represented 80% of the annual sales target. If this target was split equally across 5 salerooms, what was the individual sales target for each salesroom?

155 120 125 325 225

Q17 Stamp duty of 3% is paid on house sales over £250,000. How much stamp duty is paid by purchasers of Apline houses in 2009?

£16,425,000 £18,550,000 £19,425,000 £6,000,000 £8,550,000

Q18 What is the total value of 2009 Apline house sales?

£127.5 million £777.5 million £115 million £162.5 million £353,409 million

Q19 In 2010, the absolute difference in Alpine house sales between 2009's July-Dec and Jan-June periods is expected to increase by a fifth. What is the projected difference in Apline house sales between July-Dec and Jan-June for 2010 (in £million)?

43.5 52.2 100 125 125.5

Q20 A marketing drive in 2009 is to be used to increase the level of Jan-June house sales to the level of July-December house sales. If the ratio of marketing spend to additional sales is 1:3, then what level of marketing spend is required?

£156.6 million £75.4 million £52.2 million £36.6 million £14.5 million

TOTAL SALES (£millions)

Region	Previous Year	Current Year	Next Year's Projection
Northern	310	310	320
Southern	170	160	165
Eastern	290	300	275
Western	255	280	270
Central	110	90	125

Q21 If the sales projections for next year prove accurate, which region will have maintained or increased sales levels each year from the previous year to next year?

- Northern region
- Southern region
- Eastern region
- Western region
- Central region

Q22 What is the absolute difference between the lowest and the highest performing region (to the nearest £million) in the current year?

- £216 million £217 million £218 million £219 million £220 million

Q23 If next year's forecasts are scaled back by a quarter for the Northern and Western region, and by a fifth for the Southern and Eastern regions, what will be the total projected sales for all 5 regions?

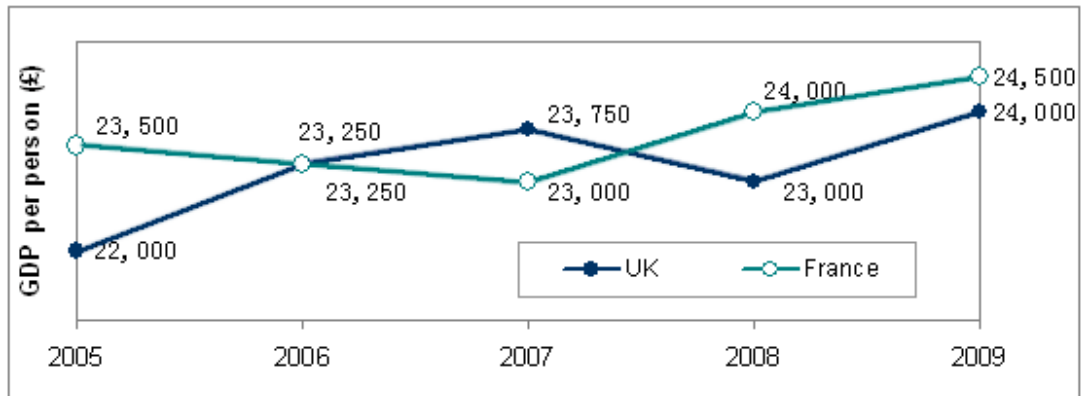
- £1,155 million
- £924 million
- £919.50 million
- £942 million
- £866.25 million

Q24 What were the ratios for the Central: Eastern regional sales for the Previous Year compared to the Current Year?

9:30 (Previous Year); 3:11 (Current Year)
20:50 (Previous Year); 3:11 (Current Year)
10:30 (Previous Year); 5:11 (Current Year)
11:29 (Previous Year); 3:10 (Current Year)
5:11 (Previous Year); 11:29 (Current Year)

Q25 Put the regions in increasing order of total combined sales for the current year and next year's projection

Central, Southern, Western, Eastern, Northern
Southern, Central, Western, Eastern, Northern
Central, Western, Southern, Eastern, Northern
Central, Southern, Western, Northern, Eastern
Central, Southern, Northern, Western, Eastern



2009	Country's Gross Domestic Product (£billion)	GDP Per person (£1000s)
UK	2.05	24
France	2.4	24.5
Germany	3.1	25.7
Spain	1.4	20.5
Italy	1.95	23.6

Q26 In which year (or years) was there more than a 3.3% difference in the GDP per person for France compared to the UK?

- 2005, 2007
- 2006, 2008
- 2007, 2008
- 2008, 2005
- 2009, 2005

Q27 Which of the following statements is false?

- Germany has the highest GDP of the countries shown.
- Germany's GDP is over 20% higher than the France's GDP in 2009.
- The 2005-2009 range of UK GDP per person is £23,500-£24,500.
- The average GDP per country for the 5 countries shown is £2.18 billion.
- The lowest and highest GDP per person are £20,500 and £25,700 respectively.

Q28 Which two countries had the smallest difference in GDP per person in 2009?

- UK, Italy
- France, Italy
- Germany, Italy
- Spain, Italy
- Spain, France

Q29 Between which years were the GDPs per person increasing in both France and the UK?

- 2008-2009
- 2007-2008
- 2006-2007
- 2005-2006
- Cannot tell from data

Q30 What was the average GDP per person for France and the UK across the 5 years shown?

- £23,500 (France); £23,200 (UK)
- £23,650 (France); £23,500 (UK)
- £23,500 (France); £23,000 (UK)
- £23,000 (France); £23,500 (UK)
- £23,650 (France); £23,200 (UK)