**UKCAT Quantitative Reasoning Practice Test 2**

The following table shows the market share - based upon annual turnover (£) - for six clothing retailers (labeled A-F).



1. What is the turnover for the second-largest clothing operator (in £1,000,000’s)?

(A) 46

(B) 48

(C) 50

(D) 52

(E) 54

1. What is the turnover of the largest store in US$ using a conversion rate of US$:UK£ = 1.90 (to the nearest $million)?

(A) 103

(B) 207

(C) 208

(D) 101

(E) 190

1. Over 50% of the clothing retail market is split between two competitors. What % market share remains outside the control of the two main competitors?

(A) 53%

(B) 26%

(C) 50%

(D) 57%

(E) 47%

1. Clothing retailer D expands its market share by 60%. Clothing retailer C expands its market share by 33 1/3%. What is the new market share ratio for clothing retailer C compared to D?

(A) 2:3

(B) 3:2

(C) 1:2

(D) 5:4

(E) 2:5

1. What fraction of these six clothing retailers have more than a quarter of the total market share?

(A) 3/4

(B) 2/3

(C) 1/2

(D) 1/3

(E) 1/4

1. What is Store E’s annual profit (to the nearest £1million) if it makes an average 5%, 5.5%, 5% and 6% of its turnover for quarters 1, 2, 3 and 4 respectively?

(A) 11

(B) 43

(C) 10

(D) 22

(E) 45

**Shown below are the distances in miles between seven different locations across the UK:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| London | 203 | 115 | 131 | 56 | 280 | 459 |
|  | Manchester | 185 | 71 | 140 | 355 | 266 |
|  |  | Norwich | 119 | 142 | 423 | 405 |
|  | |  | Nottingham | 103 | 328 | 311 |
|  | | |  | Oxford | 264 | 418 |
|  | | | |  | Penzance | 611 |
|  | | | | |  | Perth |

1. Which two cities are the furthest from and closest to Nottingham respectively?

(A) London; Manchester

(B) Manchester; London

(C) Penzance, Manchester

(D) Oxford, Penzance

(E) Penzance, Oxford

1. A student takes the return coach from London to Oxford and back to London the following day. How far does the student travel over the two days?

(A) 56 miles

(B) 103 miles

(C) 106 miles

(D) 112miles

(E) 320 miles

1. A Sales Manager drives from Perth to Nottingham at an average speed of 60mph. How long does the journey take (to the nearest minute?)

(A) 5 hrs 11 mins

(B) 5 hrs 18 mins

(C) 5 hrs 12 mins

(D) 5 hrs 19 mins

(E) 6 hrs 22 mins

1. A football fan left her home in Penzance at 14.00 and drove to London, arriving at 18.30. Which of the following is closest to her average speed (in miles per hour)?

(A) 50 mph

(B) 55 mph

(C) 60 mph

(D) 65 mph

(E) 70 mph

1. What is the mean (average) distance of the 6 cities from London? (to 1 decimal place)

(A) 167 miles

(B) 207.3miles

(C) 411.6 miles

(D) 412.0 miles

(E) 208.0 miles

1. The maximum speed which a lorry can drive is 50mph. The lorry needs to deliver as many packages as possible to each of the 6 other destinations shown in the table, as follows: Manchester, London, Norwich, Penzance, Perth and Nottingham. If the driver needs to return to the Oxford depot after each delivery, which destinations of those shown can be reached in 12 hours?

(A) London, Nottingham and Norwich

(B) Manchester, London, Norwich and Nottingham

(C) Manchester, London and Norwich

(D) Manchester, Norwich and Nottingham

(E) Manchester, London and Nottingham