

Practice Numerical Test

"For us to win, someone else has to win as well"

Instructions

Each question has one possible answer. An answer sheet is printed below.

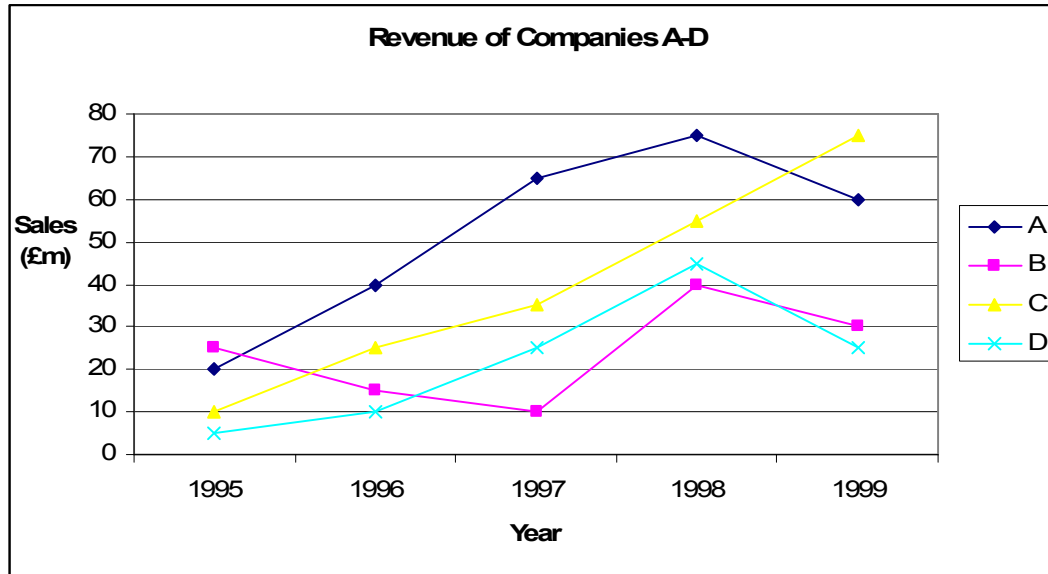
Calculators are permitted.

You have **30 minutes** to answer **30 questions**.

Answer Sheet

Question	a	b	c	d
1a				
1b				
1c				
1d				
1e				
2a				
2b				
2c				
2d				
2e				
3a				
3b				
3c				
3d				
3e				
4a				
4b				
4c				
4d				
4e				
5a				
5b				
5c				
5d				
5e				
6a				
6b				
6c				
6d				
6e				

Question 1



a. What was the percentage increase in sales for company A between years 1996 and 1997?

- a) 72.5%
- b) 41.7%
- c) 62.5%
- d) 40%

b. Which company experienced the largest percentage decrease in revenue between 1998 and 1999?

- a) Company C
- b) Company A
- c) Company D
- d) Company B

c. In 1994 if Company C's revenue was 25% lower than 1995, what was the revenue in 1994 for company C?

- a) £7.5m
- b) £12.5m
- c) £8.0m
- d) Cannot be calculated

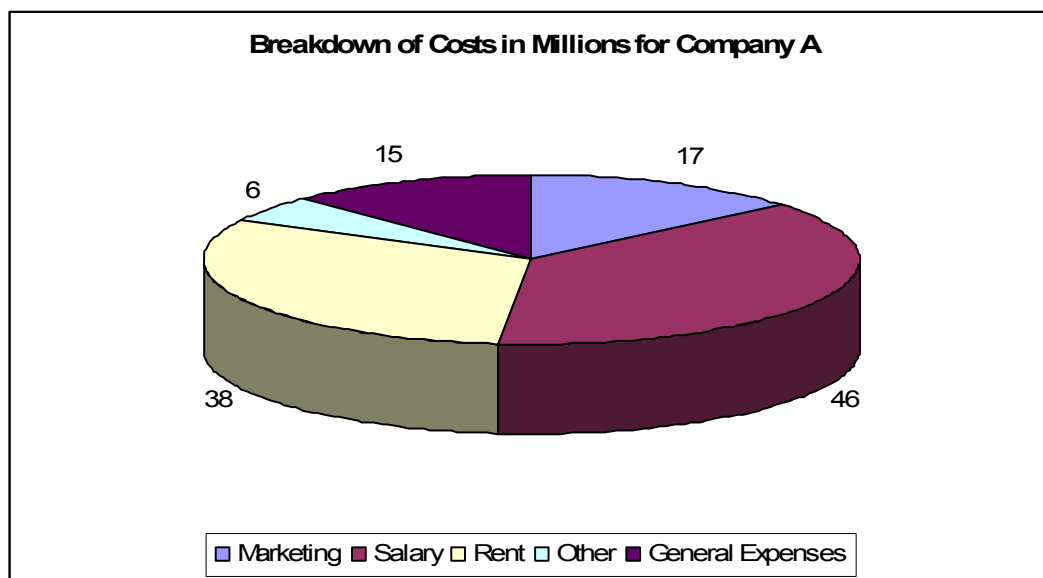
d. What percentage of the combined revenue for Companies A to D in 1997 was attributable to Company C?

- a) 35.0%
- b) 27.8%
- c) 25.9%
- d) 25.6%

e. How much more revenue did Companies A & B in total raise over the 1997-1999 period than Companies C & D?

- a) £20m
- b) £70m
- c) £40m
- d) £12m

Question 2



a. Marketing costs represent what percentage of total costs for Company A?

- a) 13.9%
- b) 37.8%
- c) 17%
- d) 12.3%

b. In percentage terms, how much more do salary and marketing costs exceed the remaining costs?

- a) 6.8%
- b) 3.3%
- c) 4.0%
- d) None of the above

c. What is the ratio of Other Expenses to Rent?

- a) 19:3
- b) 3:19
- c) 5:19
- d) 19:5

d. If the total costs of Company A increase to £172m and the Rent cost increases by 6%, what percentage of this new total will be due to Rent costs?

- a) 22.1%
- b) 25.6%
- c) 23.4%
- d) 33.0%

e. Company A expects costs to increase by 5% next year and 10% the year after. Assuming Salaries remain fixed at their current level, what proportion of costs will be attributable to Salaries two years down the line?

- a) 35.9%
- b) 34.2%
- c) 32.8%
- d) 32.6%

Question 3

	2000 Figures			1998 Figures	
Country	Population (millions)	Population using Broadband	Population using Modem	Population using Broadband	Population using Modem
A	57.8	28.6	20.1	5.3	35.7
B	68.3	27.6	32.6	7.8	45.3
C	41.6	10.5	22.6	1.4	32.5
D	53.0	35.7	15.1	12.6	22.4

a. In 2000, which country has the highest percentage of broadband users?

- a) Country B
- b) Country C
- c) Country D
- d) Country A

b. Which country has seen the most significant decrease in modem users from 1998 to 2000?

- a) Country C
- b) Country A
- c) Country B
- d) Country D

c. Which country had the largest increase in broadband users from 1998 to 2000?

- a) Country B
- b) Country A
- c) Country C
- d) Country D

d. Which country has the highest number of internet users in 2000?

- a) Country A
- b) Country B
- c) Country C
- d) Country D

e. Across all countries by what percentage has broadband usage increased?

- a) 280%
- b) 276%
- c) 273%
- d) None of the above

Question 4

1 USD = 0.510830 GBP 1 USD = 118.8550 JPY 1 JPY = 0.511379 PKR
--

a. If a TV costs 165 GBP, what is its cost to the nearest USD?

- a) 84
- b) 323
- c) 79
- d) None of the above

b. A FOREX trader wants to change 1000 USD into PKR. What amount of PKR does he receive?

- a) 60,780
- b) 16
- c) 232,421
- d) Cannot be calculated

c. Company A has 100,000 JPY and wishes to enter into a swap transaction to hedge its foreign exchange risk. How many GBP can it buy for this amount of JPY?

- a) 429.8
- b) 1647.0
- c) 6071470
- d) None of the above

d. If 1 CHF = 97.5101 JPY, how many GBP does 1 CHF equal?

- a) 2.386
- b) 0.419
- c) 3.657
- d) Cannot be calculated

e. If the GBP appreciates against the USD, what impact will this have on the GBP:JPY rate?

- a) No change
- b) GBP appreciates against JPY
- c) GBP depreciates against the JPY
- d) Cannot Say

Question 5

Brand	Cost per unit £
Fizzy Cola	2.00
Dr. Salt	1.50
Waltz	1.25
CherryPop	2.20

Discount:

Buy 100,000 units of Fizzy Cola get 12.5% off

Buy 50,000 units of Waltz and get 10,000 units free

Buy 2 units of CherryPop and get a third free

a. What is the cost of buying 200,000 units of Fizzy Cola and 100,000 units of CherryPop?

- a) £496,667
- b) £570,000
- c) £620,000
- d) £350,000

b. If you buy 20,000 units of Fizzy Cola and 50,000 units of Waltz, what is the average combined unit price?

- a) 1.46
- b) 1.64
- c) 1.44
- d) 1.28

c. As part of a promotion, Company A agrees to give away a free unit of Dr. Salt for every unit bought of Fizzy Cola. How many units do you have in total assuming you spend your entire £200,000 budget on Fizzy Cola?

- a) 228,571
- b) 225,000
- c) 250,000
- d) 325,000

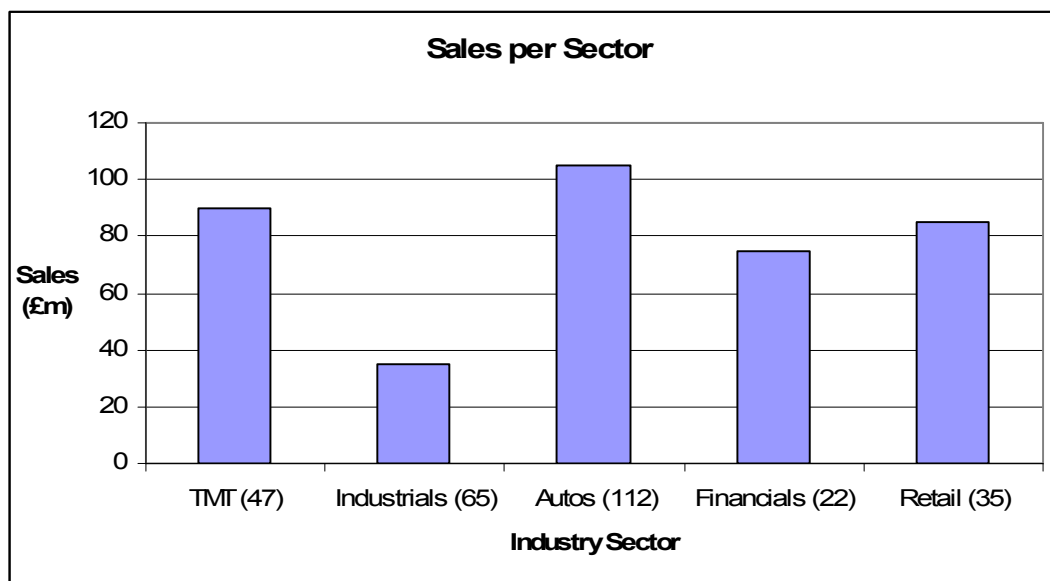
d. What is the maximum number of units of any brand that can be bought with £200,000?

- a) 112,500
- b) 190,000
- c) 133,333
- d) 120,000

e. If the price of Dr. Salt is raised by 10%, how many fewer units can be bought with £100,000?

- a) 66,666
- b) 60,000
- c) 6,060
- d) 6,000

Question 6



a. What is the average sale figure for each firm in the TMT sector?

- a) £1,914,894
- b) £90,000,000
- c) £2,021,277
- d) £1,914,984

b. Firms in which sector generate the highest average sales figure?

- a) TMT
- b) Financials
- c) Retail
- d) Autos

c. By how much does the sales figure of an average firm in Retail exceed that of a firm in Autos?

- a) £1.49m
- b) £1.63m
- c) £20m
- d) None of the above

d. If half the firms in Financials increased their sales by 40%, what would be the new total sales figure for this sector?

- a) £90m
- b) £85m
- c) £80m
- d) £95m

e. Sales for Industrials are expected to increase by 10% next year. What will be the average sales figure per firm?

- a) £592,308
- b) £538,462
- c) £529,308
- d) Cannot be calculated

End of Test