

# Numerical Reasoning

# Free Test 1



## Questions Booklet

### Instructions

This practice test contains **12 questions**, and you will have **12 minutes** to answer them.

Each question will have five possible answers, one of which is correct.

Calculators are permitted for this test. It's recommended to have some rough paper for your calculations. 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.

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.

## Share Price Index

Company	Today's Price (€)	Change from previous day (%)	Past 12 months	
			Max price (€)	Min price (€)
Huver Co.	1,150	1.10	1,360	860
Drebs Ltd	18	0.50	22	11
Fevs Plc	1,586	-9.00	1,955	1,242
Fauvers	507	-1.00	724	464
Steapars	2,537	1.00	2,630	2,216

## Dividend Index

Dividend paid per share (€)	Huver Co.	Drebs Ltd	Fevs Plc	Fauvers	Steapars
Interim Dividend	0.83	0.44	0.34	0.09	0.48
Final Dividend	1.75	1.12	1.25	0.32	0.96

**Note:** the total annual dividend paid per share is the sum of the interim dividend and the final dividend.

**Q1** Which share had the largest difference between highest and lowest price over the last 12 months?

- (A) Huver Co.
- (B) Drebs Ltd
- (C) Fevs Plc
- (D) Fauvers
- (E) Steapars

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## Dividend Index

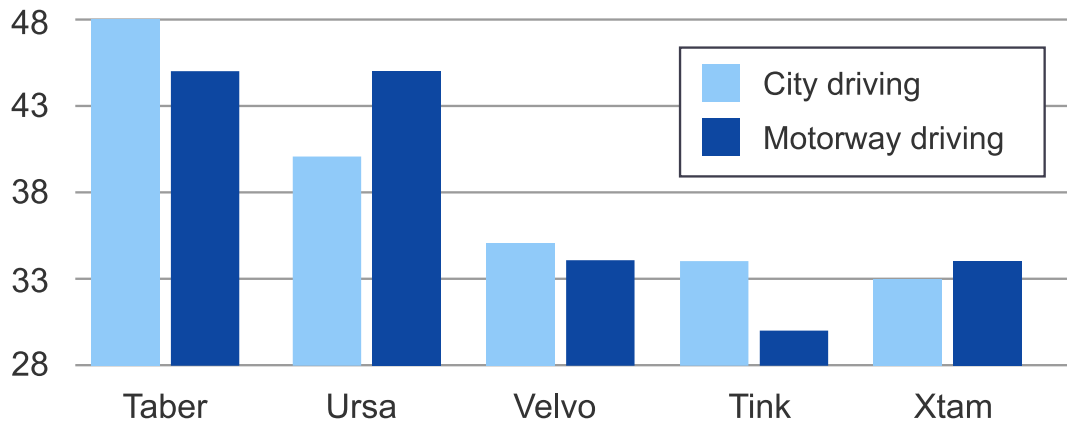
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**Q2** Today's Drebs Ltd share price represents a 40% increase on the price one month ago. What was the Drebs Ltd share price a month ago?

- (A) €22
- (B) €25.20
- (C) €12.68
- (D) €12.90
- (E) €12.86

Fuel Consumption (miles to the gallon)

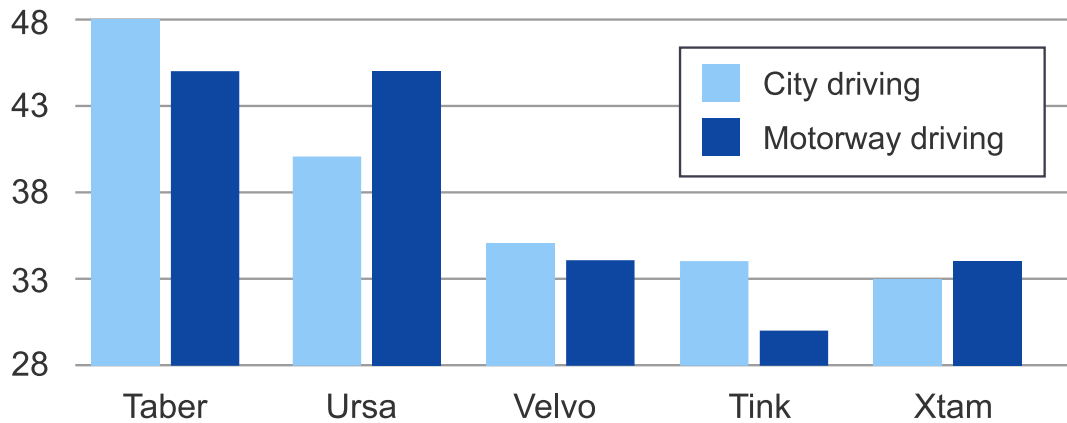


Car	Max. Speed (mph)	Cost to Purchase (£)
Taber	65	12,500
Ursa	60	15,250
Velvo	125	37,500
Tink	95	55,250
Xtam	110	62,500

**Q3** If a driver travels an average of 4,250 miles per month driving only along motorways in an Xtam car, what is the predicted annual consumption of fuel (in gallons)?

- (A) Cannot say
- (B) 1,500
- (C) 125
- (D) 150
- (E) 1,250

Fuel Consumption (miles to the gallon)

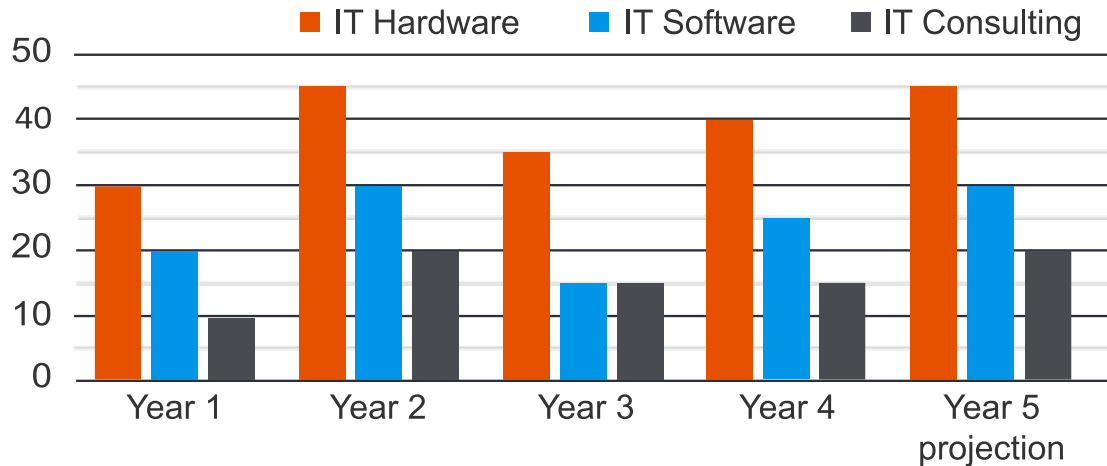


Car	Max. Speed (mph)	Cost to Purchase (£)
Taber	65	12,500
Ursa	60	15,250
Velvo	125	37,500
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**Q4** A car dealership has £600,000 to spend and wants to buy equal numbers of the Taber and Ursa cars. What is the largest number of each type of car that can be ordered?

- (A) 27
- (B) 48
- (C) 19
- (D) 21
- (E) 22

## Legal Sector IT Spending (£ millions)



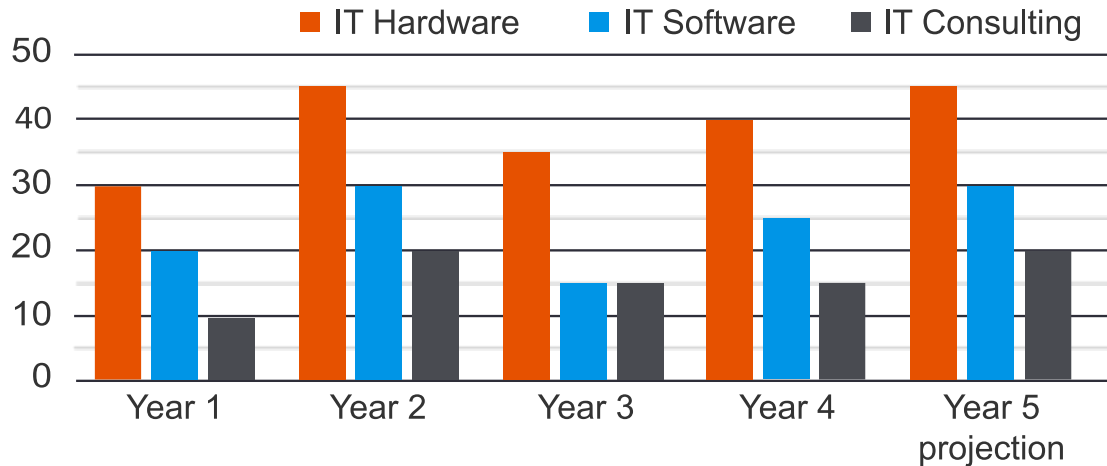
### Two Legal Sector IT Firms Income for Consultancy Services (10,000s)

	Make Fit Ltd	Pure Gap Plc
Year 1	290	230
Year 2	180	310
Year 3	260	300
Year 4	320	290

**Q5** Legal sector spending on IT hardware, IT software and IT consulting are all set to increase by the same amounts in Year 6 as they did from Year 4 to Year 5. Assuming this is the case, what would be the total legal sector spending in Year 6 on these three IT areas combined?

- (A) £75 million
- (B) £85 million
- (C) £95 million
- (D) £105 million
- (E) £110 million

## Legal Sector IT Spending (£ millions)



### Two Legal Sector IT Firms Income for Consultancy Services (10,000s)

	Make Fit Ltd	Pure Gap Plc
Year 1	290	230
Year 2	180	310
Year 3	260	300
Year 4	320	290

**Q6** Which of the following statements is false regarding legal sector spending between Year 4 and projected Year 5?

- (A) IT consulting will increase by £5million.
- (B) IT consulting will match that of year 2.
- (C) IT software will exceed IT consulting.
- (D) Spending on IT hardware will decline.
- (E) None of these.

## January's Sales Turnover and Profit

IKE Computers (January)	Actual (£)	Target (£)
Sales Turnover	277,350	325,000
Sales Tax (14%)	38,829	45,500
Net Turnover	238,521	279,500
Labour Costs	166,000	175,000
Other Costs	36,000	41,000
Gross Profit	36,521	63,500

**Q7** IKE Computers aim to grow monthly gross profit by 1.5%. If all costs remain constant, what will the sales turnover need to be in February to hit the target?

- (A) £242,099
- (B) £277,987
- (C) £38,555
- (D) £274,299
- (E) £288,000



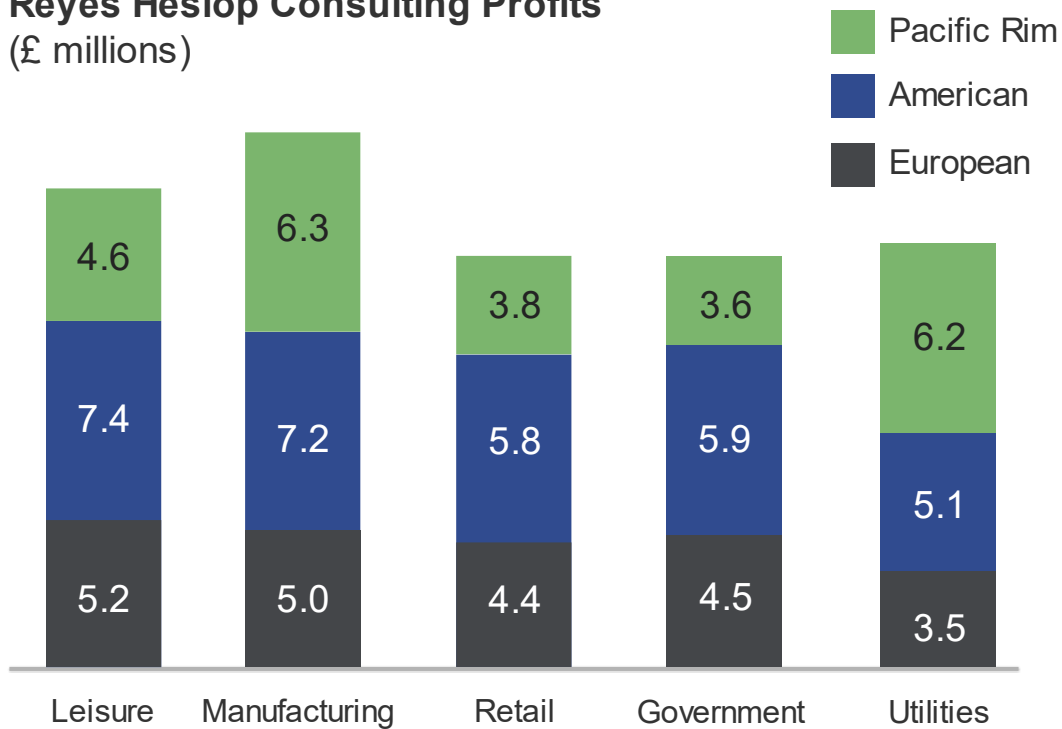
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**Q8** If IKE Computers employed eighty permanent employees in January who were on the same salary, what would have been the effect on labour costs if they had replaced twenty permanent employees with interim staff each on monthly salaries of £3,000?

- (A) Cannot tell
- (B) Decrease of £130,000
- (C) Decrease of £20,750
- (D) Increase of £2,075
- (E) Increase of £18,500

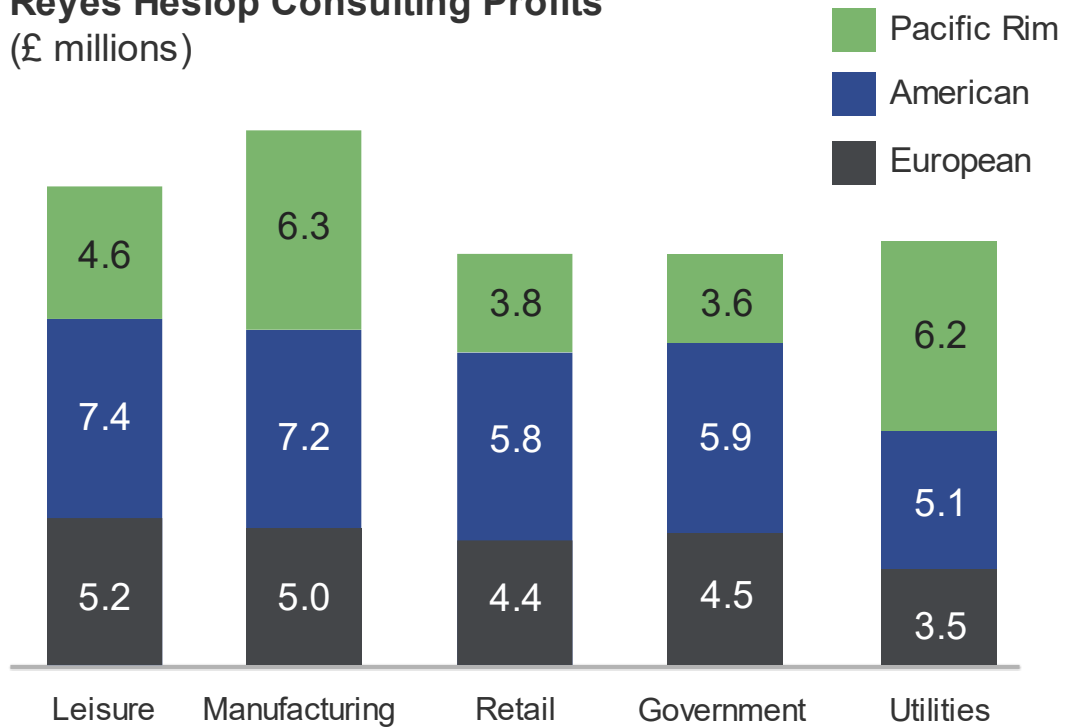
### Reyes Heslop Consulting Profits (£ millions)



**Q9** If the ratio of profit to turnover for Pacific Rim contracts was 2:15, what was the Government turnover in the Pacific Rim (in £100,000s)?

- (A) 36
- (B) 27
- (C) 270
- (D) 360
- (E) 540

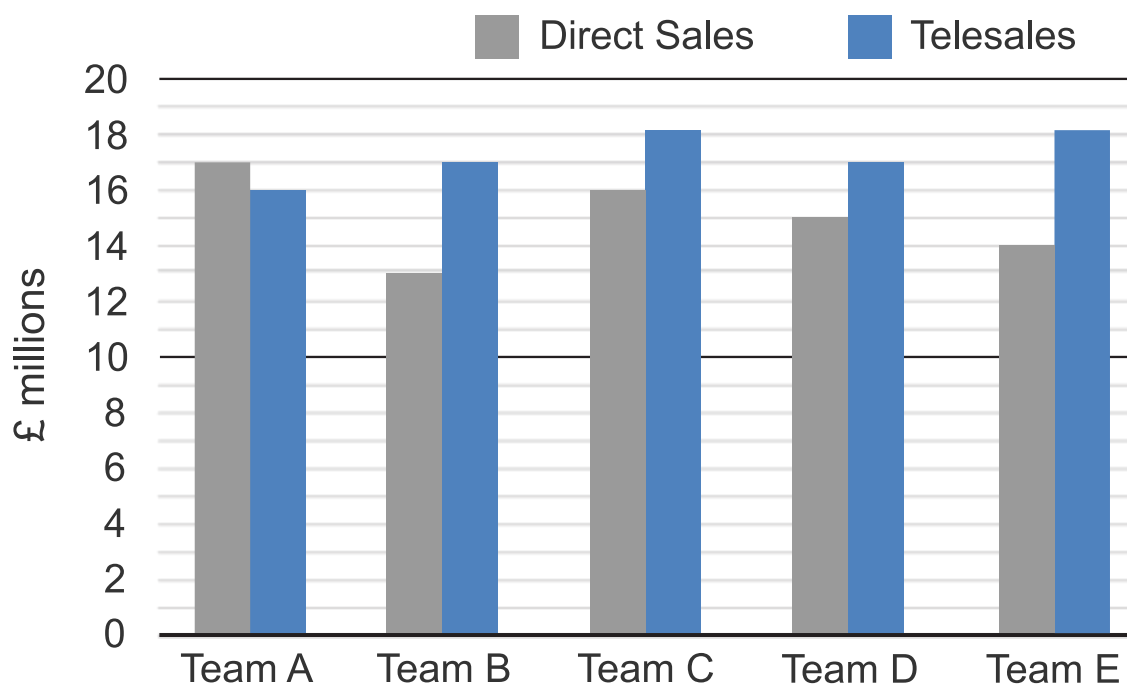
### Reyes Heslop Consulting Profits (£ millions)



**Q10** Reyes Heslop had a target for Leisure profits to be a quarter of their total profits. Assuming profits in other areas remain the same, by how much did the Leisure profits miss this target?

- (A) £1.8 million
- (B) £2.4 million
- (C) £2.7 million
- (D) £3.2 million
- (E) £3.4 million

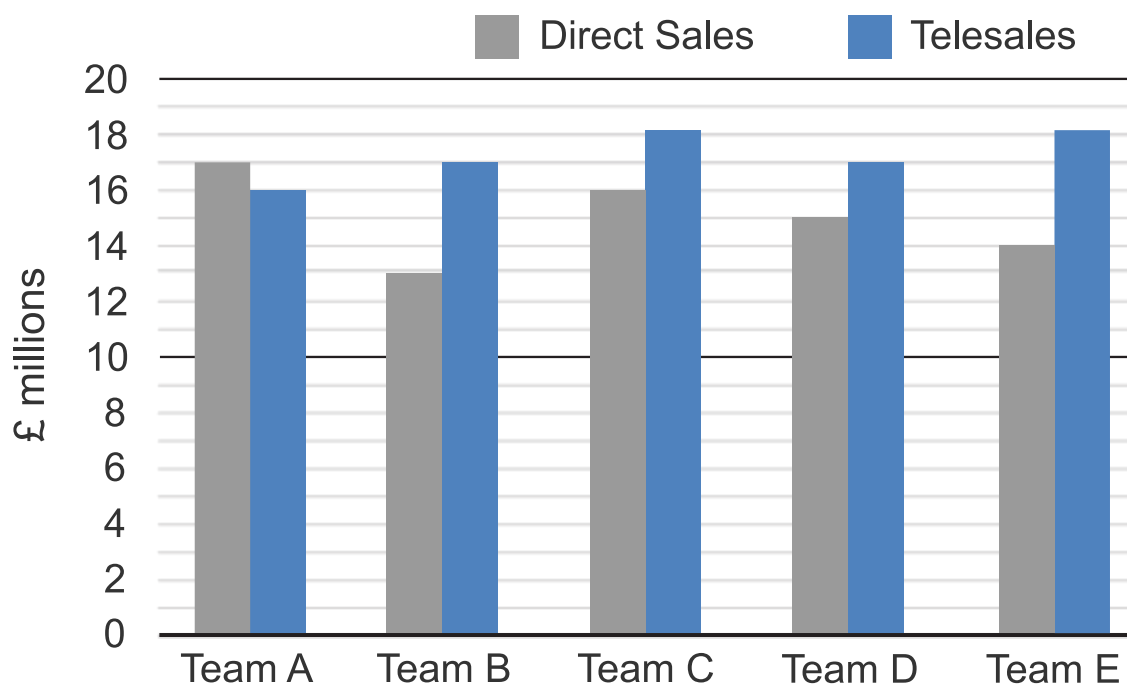
## Eastern Region's Sales - Current Year



**Q11** What is the difference between direct sales and telesales across the five teams combined?

- (A) £10 million
- (B) £11 million
- (C) £12 million
- (D) £13 million
- (E) £14 million

## Eastern Region's Sales - Current Year



**Q12** If the Eastern Region's total sales represent 26% of the total for all regions, what are the total sales across all regions (to the nearest £million)?

- (A) £124 million
- (B) £142 million
- (C) £161 million
- (D) £619 million
- (E) £620 million

**End of test**