Numerical Reasoning Practice Test 1

Instruction: Choose the one correct answer from the 5 options given for each question.
Time allowed: Ten minutes.
Calculator: You may use any calculator you wish.

1 .

A computer service firm charges £98 per month for an on-site maintenance contract. If no maintenance contract is in place, the firm charges £432 for an on-site visit. How many call-outs per year would make the maintenance contract worthwhile ?

A	B	C	D	E
2	3	4	5	6

2 .

A boy takes 15 minutes to walk to school at a speed of 5 km/h. How many minutes would he take if he cycled at 15 km/h.

A	B	C	D	E
12	3	4	5	8

3 .

The table below shows the profit in millions of pounds made by three branches of a pharmacy, over a three year period.

Branch	Year 1	Year 2	Year 3
Leicester	4.14	4.32	4.23
Loughborough	2.52	2.61	2.25
Derby	5.49	5.76	5.94

By what percentage did the total profit made by all the branches together increase from Year 1 to Year 3 ?

A	B	C	D	E
2%	2.2%	20%	22%	102%

4 .

The profits of a business are to be divided in the ratio 5 : 7. The smaller share amounts to £2000. What is the larger share ?

A	B	C	D	E
£833	£11666	£2500	£2750	£2800

5 .

On returning from a business trip an executive has remaining 250 German Marks and 478 French Francs. If the exchange rates are 3.24 marks =£1, and 9.9 francs=£1, how much British money will she receive for this currency ?

A	B	C	D	E
£125.44	£77.16	£48.28	£111.26	£135.16

6 .

Casual nursing staff are paid at a rate of £5.98 per hour. If 4 nurses each worked 39 hours, and three other nurses each worked 16 hours, what was the wage bill ?

A	B	C	D	E
£1200	£1356.24	£1244.56	£1219.92	£1018.94

7 .

In a survey carried out on 2400 people, 34% said that they preferred a new blend of coffee to their current blend. 35% were indifferent. The remainder disliked the new blend. How many people were in this category ?

A	B	C	D	E
310	744	1020	556	675

8 .

In a sale the price of TV set is discounted because the retailer says that he will pay the VAT of 17.5%. If the customer pays £225 what would the price have been including the VAT ?

A	B	C	D	E
£264.38	£270	£263.25	£311.10	£239.15

9 .

In a large retail store employing 556 personnel, approximately 56% are female. Of the female employees, approximately 62% are aged between 48 and 60. How many employees are female and aged between 48 and 60 ?

A	B	C	D	E
225	219	345	193	312

A.Croft

Solutions.

1. B
2. D
3. B
4. E
5. A
6. D
7. B
8. A
9. D