Numeracy practice test 1

For each question, choose your answer from the options below.

1. Jane will be going abroad and she needs to change money. She would like to change £735 to euros. How many, to the nearest euros will she get?

   The exchange rate is £1 = €1.15.

   A. €639

   B. €845.25

   C. €845

   D. €640

2. Whilst in France, Jane saw a pair of jeans she wanted to buy. They cost €120. The same pair of jeans cost £109 in UK.

   What is the difference in price (in £) and where is it cheaper to buy the jeans?

   A. £4.65, France

   B. £4.65, UK

   C. £29, France

   D. £29, UK

3. After she came back from her holiday, Jane brought €15. She wanted to exchange them back to £. How many, to the nearest £ will she get?

   The exchange rate is £1 = €1.15.

   A. £13.04

   B. £13

   C. £17

   D. £17.25

4. Jane went to dine in the local restaurant. Her meal costs £25 plus VAT at 20%.

   How much does Jane pay?

   A. £35

   B. £30

   C. £25.50

   D. £25.05

5. Jane goes to the local clinic for a blood test. She arrives in good time for her 11:00 appointment. Unfortunately, at 11:00, there is only one nurse on duty at the clinic, and there are still ten appointments before Jane's. Consequently, Jane's appointment actually commences at 11:55. What is the arithmetic mean average length of each of the ten appointments prior to Jane's?

   A. 5 minutes 30 seconds

   B. 5 minutes 3 seconds

   C. 5 minutes

   D. 55 minutes

[test continues overleaf]

6. The local clinic has a staff headcount of 48. Three-quarters are administrative staff, of whom two-thirds are part-time. How many part-time administrative staff work at the local clinic?
   A. 24
   B. 28
   C. 32
   D. 36

7. The red-blood-cell (RBC) count in the sample taken from Jane is 4.51 million cells per microlitre. This represents an increase by 8.9% on the sample in her previous blood test. What was the red-blood-cell (RBC) count in the previous blood test, rounded to three significant figures?
   A. 4.109 million cells per microlitre
   B. 4.11 million cells per microlitre
   C. 4.14 million cells per microlitre
   D. 4.91 million cells per microliter

8. On the advice of the nurse, Jane bought some spinach, in order to improve her iron intake. According to the information label, Waitrose's own-brand spinach contains 2.2g of fibre per 100g. How much fibre is there in a 260g pack of own-brand spinach from Waitrose?
   A. 0.572g
   B. 2.6g
   C. 5.68g
   D. 5.72g

9. Jane invites her friend Patsy for dinner. She cooks three-quarters of a 260g pack of spinach from Waitrose. How much spinach does she cook?
   A. 65g
   B. 195g
   C. 200g
   D. 216g

10. Jane opens a 900ml carton of orange juice to go with the spinach. She drinks half of the juice in the carton, Patsy drinks 300ml, and the rest is left in the carton. How much juice is left in the carton, as a fraction of the original amount in the carton?
   A. $\frac{1}{9}$
   B. $\frac{1}{6}$
   C. $\frac{1}{4}$
   D. $\frac{5}{6}$

11. Convert $\frac{2}{5}$ to a decimal and to a percentage.
   A. 0.25, 25%
   B. 0.2, 20%
   C. 0.04, 40%
   D. 0.4, 40%