

Numeracy practice test 2

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

- In March, the local NHS hospital had 2925 admissions to Accident and Emergency, of which 2691 were seen within four hours. Express the number of admissions seen within four hours as a percentage.
 - 28%
 - 30%
 - 92%
 - 94%
- The admissions for March (2925) represented a decrease by 10% from February. How many admissions were there in February?
 - 2633
 - 3217
 - 3218
 - 3250
- Five patients were each given a particular vaccination by the nurse. The times taken to administer the vaccination to each patient were as follows:
3 minutes; 2 minutes; 5 minutes; 11 minutes; 3 minutes.

What was the arithmetic mean, median, and modal times taken per patient? What was the range of time taken per patient?

Arithmetic mean	Median	Mode	Range
a. 4 minutes 8 seconds	e. 2 minutes	i. 2 minutes	m. 2 minutes
b. 4 minutes 48 seconds	f. 3 minutes	j. 3 minutes	n. 5 minutes
c. 5 minutes 12 seconds	g. 3 minutes 30 seconds	k. 3 minutes 30 seconds	o. 9 minutes
d. 5 minutes 20 seconds	h. 4 minutes	l. 4 minutes	p. 11 minutes

- In the waiting-room for Accident and Emergency, there are 27 men, 21 women, and 8 children.

Expressed as a fraction, what is the proportion of children?	What is the ratio of men to women?
a. $\frac{1}{8}$	e. 9:7
b. $\frac{1}{7}$	f. 7:9
c. $\frac{1}{6}$	g. 1:27
d. $\frac{1}{5}$	h. 9:16

- A 2L container of juice is $\frac{3}{4}$ full. James drinks $\frac{1}{2}$ of the juice.

What fraction of the container still contains juice? How much juice is left?

Fraction	Amount (mL)
a. $\frac{3}{8}$	e. 500
b. $\frac{1}{8}$	f. 750
c. $\frac{1}{3}$	g. 1000
d. $\frac{5}{8}$	h. 1500

[continues overleaf...]

6. Anne (a 17-year-old), Barry (a 15-year-old), and Camila (a 16-year-old), share £240 in the ratio of their ages. How much does Anne get?
- £75
 - £80
 - £85
 - £90
7. The typical saturated fat per 200mL of serving of whole milk is 5.1g; this represents 26% of the reference intake. Camila had 120mL of whole milk. What percentage of the reference intake has she consumed?
- 15.0%
 - 15.5%
 - 15.6%
 - 16.0%
8. Peter bought a second-hand BMW for £10000. It depreciates by 30% per annum. How much would the car be worth after 2 years?
- £4000
 - £4900
 - £7000
 - £9940
9. Convert 2.5% to a decimal and a fraction.
- $0.025, \frac{1}{40}$
 - $0.0025, \frac{1}{40}$
 - $2.5, \frac{1}{400}$
 - $0.025, \frac{1}{400}$
10. There are 15 marks for this paper. How many marks are required to obtain 80%?
- 6
 - 8
 - 12
 - 13.