

EduTest Year 10 Entry Practice Paper 1

Numerical Reasoning

50 questions · 5 options each (A–E) · 30 minutes · No calculator

How to use this booklet

- There are 50 questions in this section. For each question there are five possible answers, A, B, C, D and E. Choose the one correct answer.
- This is an ability test: it checks how well you spot patterns and reason with numbers, not formulas you have memorised. Work swiftly.
- Calculators are not allowed. You have 30 minutes. You will not lose marks for wrong answers, so attempt every question.

NUMERICAL REASONING — 50 QUESTIONS

Multiple choice · 30 minutes

Work through the questions in order. If a question stalls you, move on and come back. Then check your work against the worked solutions.

- 1. The table shows how many passengers a ferry carried each trip. Each passenger pays \$4. What was the total fare revenue?**

Trip	Passengers
Mon	34
Tue	13
Wed	8
Thu	61

- A 460
- B 116
- C 468
- D 976
- E 464

- 2. Which number does NOT belong with the others? 22, 12, 121, 264, 253**

- A 22
- B 121
- C 12
- D 264
- E 253

- 3. The temperature at noon is -11°C . It drops by 4 degrees by evening and then rises by 5 degrees overnight. What is the temperature then?**

- A -9
- B -10
- C -2
- D -11
- E -20

4. Which number does NOT belong with the others? 121, 324, 361, 156, 81

- A 361
- B 324
- C 121
- D 156
- E 81

5. 99 is to 33 as 63 is to ____ .

- A -3
- B 22
- C 23
- D 21
- E 20

6. What is the remainder when 337 is divided by 6?

- A 1
- B 56
- C 5
- D 2
- E 3

7. I think of a number, multiply it by 2, then add 17. The answer is 35. What number did I think of?

- A 8
- B 18
- C 10
- D 9
- E 26

NUMERICAL REASONING — 50 QUESTIONS

Answers & worked solutions

Answer Key

1 E	2 C	3 B	4 D	5 D	6 A
7 D	8 C	9 A	10 D	11 D	12 C
13 D	14 E	15 C	16 E	17 A	18 B
19 A	20 E	21 B	22 E	23 E	24 A
25 C	26 E	27 D	28 B	29 B	30 C
31 E	32 C	33 A	34 B	35 E	36 A
37 B	38 C	39 D	40 A	41 B	42 A
43 B	44 E	45 C	46 B	47 D	48 C
49 A	50 D				

1. The table shows how many passengers a ferry carried each trip. Each passenger pays \$4. What was the total fare revenue? [Tables]

Trip	Passengers
Mon	34
Tue	13
Wed	8
Thu	61

Correct answer: E — 464

- Total passengers = $34 + 13 + 8 + 61 = 116$.
- Revenue = $116 \times \$4 = \$464$.
- Why the other options are wrong:
 - A (460): This is the correct answer (464) minus 3: 3 was taken off at the end of the calculation (an off-by-3 error).
 - B (116): Multiply by the \$4 fare.
 - C (468): This is the correct answer (464) plus 3: an extra 3 was added at the end of the calculation (an off-by-3 error).
 - D (976): Add all four trips.

LOS: Numerical reasoning: [tables]

KEY TAKEAWAY

Total = (sum of the counts) $\times$ price per unit.