

Numerical Reasoning

Question 1

What is the size (in sq. km) of North and South America combined?

Table: Global population demographics

Continent	Size (sq. km)	Population (million)	% of population living in cities	Number of countries
Africa	30,065,000	877.5	36	53
Asia	44,579,000	3879.0	34	44
Europe	9,938,000	727.0	74	46
North America	24,256,000	501.5	79	23
South America	17,819,000	379.5	82	12

Options:

- A. 42,015,000
- B. 42,075,000
- C. 42,135,000
- D. 42,195,000
- E. 42,255,000

Question 2

In 2000, what was the ratio of GDP in the Netherlands to that in Finland?

Table: R&D expenditure by country

Country	R&D expenditure (% of GDP) In the year 2000	R&D expenditure (% of GDP) For the year 2003	% of R&D funded by government in the year 2000	% of R&D funded by government in the year 2003	Number of patent applications (per million inhabitants) in the year 2000	R&D expenditure (€ million) In the year 2000	GDP per head (€) in the year 2000
Belgium	1.97	1.89	22.9	23.5	145.6	3,900	19,330
Finland	3.34	3.43	26.2	25.7	350.8	3,725	21,582
France	2.15	2.17	38.7	39.0	139.5	24,075	18,874
Germany	2.45	2.52	31.4	31.2	307.0	41,100	20,261
Netherlands	1.82	1.76	34.2	36.2	246.3	6,075	21,003

Options:

- A. 1:3
- B. 2:3
- C. 3:2
- D. 3:1
- E. None of the above

Question 3

In 2000, approximately what was the ratio of GDP in Germany to that in France?

Table: R&D expenditure by country

Country	R&D expenditure (% of GDP) In the year 2000	R&D expenditure (% of GDP) For the year 2003	% of R&D funded by government in the year 2000	% of R&D funded by government in the year 2003	Number of patent applications (per million inhabitants) in the year 2000	R&D expenditure (€ million) In the year 2000	GDP per head (€) in the year 2000
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Netherlands	1.82	1.76	34.2	36.2	246.3	6,075	21,003

Options:

- A. 1:3
- B. 2:3
- C. 3:2
- D. 3:1
- E. None of the above

Question 4

If Germany's GDP increased by 2 % between 2000 and 2003, how much did government R&D spending increase during this period?

Table: R&D expenditure by country

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Netherlands	1.82	1.76	34.2	36.2	246.3	6,075	21,003

Options:

- A. 1.35%
- B. 2.20%
- C. 3.25%
- D. 4.25%
- E. None of the above

Question 5

If Belgium's GDP increased by 3 % between 2000 and 2003, how much did government R&D spending increase during this period?

Table: R&D expenditure by country

Country	R&D expenditure (% of GDP) In the year 2000	R&D expenditure (% of GDP) For the year 2003	% of R&D funded by government in the year 2000	% of R&D funded by government in the year 2003	Number of patent applications (per million inhabitants) in the year 2000	R&D expenditure (€ million) In the year 2000	GDP per head (€) in the year 2000
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Netherlands	1.82	1.76	34.2	36.2	246.3	6,075	21,003

Options:

- A. 1.11%
- B. 1.21%
- C. 1.31%
- D. 1.41%
- E. None of the above

Correct answers

Question 1: Answer B

Question 2: Answer D

Question 3: Answer C

Question 4: Answer D

Question 5: Answer D