

Number Properties

November 2024 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
2	20	B1	cao	

November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
3	13	B1	cao	

November 2023 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
4	One of: 16, 25, 36, 49	B1	for one correct square number	Allow more than 1 correct square number but no incorrect.

November 2022 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
5	3476	B1	cao	

June 2020 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
5	27	B1	cao	

November 2021 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
6 (a)	25	B1	cao	
(b)	24	B1	cao	

November 2024 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
8 (a)	No and reason	C1	<p>No and reason</p> <p>Acceptable examples No, because $10^2 = 100$ or 10^2 is 10×10 $4^2 = 16$ and $5^2 = 25$ so 20 is not a square number Junaid is wrong because $\sqrt{20} \neq 10$ or $\sqrt{20} = 4.47\dots$ Incorrect because 20 is 2×10 not 10×10 No she multiplied by 2 instead of squaring or 10^2 is not 10×2 Wrong as she added instead of multiplying</p> <p>Not acceptable examples Yes.... No because 20 is 10×2 Incorrect because 20 is not a square number No because 10^2 is not 20 No because she added No because a square number is when a number is multiplied by itself</p>	
(b)	example	C1	<p>for a correctly evaluated example, eg $12 \div 4 = 3$ or $10 \div 2 = 5$ or $2 \div 4 = 0.5$</p>	<p>Accept rounded and truncated values, eg $2 \div 6 = 0.3(..)$, $100 \div 6 = 16.6(..)$</p>