

Year 9 Numeracy (Non-Calculator)

Question number	Short description	Correct answer	Curriculum Area	Skill assessed
1	How many bricks are needed	B	N	Construct and use sequence rules
2	Which graph shows the info	D	A	Identify and represent functions by table and/or graph
3	What is the value of a	B	S	Apply angle properties of polygons
4	Which score is missing	20	M	Display and interpret data in graphical form
5	Which pair of solid objects	D	S	Recognise and apply transformations to 3D objects
6	Which empty seat	C	S	Use coordinates to describe location
7	How many US dollars	40	N	Perform calculations involving ratio
8	What scale is used in drawing	B	S	Use and derive scale
9	The area of ABCD	A	M	Describe area in relative terms
10	What is the chance	B	M	Calculate probability of chance outcomes
11	What is the value of x	C	A	Solve linear equations
12	Which student is the tallest	A	S	Use network diagrams to specify relationships
13	Which one is equivalent	C	A	Simplify algebraic expressions
14	Which fraction has the same value	C	N	Express mixed numbers in fraction notation
15	Which is the net of this die	D	S	Represent 3D objects using nets
16	What is the size of the angle	128	M	Measure obtuse angles in degrees
17	How many cubes	A	S	Recognise the interior and exterior of objects
18	How many millilitres of milk	1250 mL	M	Interpret and use linear scales
19	What percentage of the cars is red	32%	N	Perform computations involving percentages
20	How long did Tony take to travel	1½ hours	M	Calculate and use constant rates
21	What is $6.6 \div 0.3$	D	N	Divide by a decimal fraction
22	What is the distance from Q to R	C	N	Perform computations involving ratios
23	What is the value of b	7	A	Solve linear equations

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24	What is the probability	B	M	Calculate probabilities for chance outcomes
25	The small number in the set	D	A	Construct and use sequence rules
26	Two points where the line passes	D	A	Construct and recognise graphs for linear functions
27	Two cards which are same value	D	N	Calculate simple powers of whole numbers
28	The value of $7m^2$ when $m = -3$	C	A	Evaluate algebraic expression by substitution
29	What % of the whole book	15%	N	Perform computations involving percentages
30	Which pair of values	D	A	Identify values that satisfy an inequality
31	Effect on mean and mode of data	D	M	Calculate and interpret mean, median and mode
32	What is the value of a	120	S	Apply angle properties of polygons