



WAJD Academy: Maths Paper 7 Answers

Answer sheet with explanations

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Q	Answer	How to get it
1	C	Add the units, tens and hundreds with carrying: $517 + 352 = 869$.
2	D	Subtract with exchanging: $622 - 166 = 456$.
3	B	$41 \times 20 = 820$, then add one more 41 to get 861.
4	E	$6 \times 138 = 828$, so $828 \div 6 = 138$.
5	A	The 1 sits in the thousands column, so it is worth 1,000.
6	C	The deciding digit is 2, so 824 rounds down to 800.
7	E	One third of 27 is 9, so two thirds is $9 \times 2 = 18$.
8	B	Multiply the top and bottom of $\frac{2}{3}$ by 4 to get $\frac{8}{12}$.
9	D	Subtract with the decimal points lined up: $2.2 - 0.74 = 1.46$.
10	A	$\frac{17}{50} = \frac{34}{100}$, because $50 \times 2 = 100$. That is 34%.
11	C	10% of 200 is 20, so 40% is $20 \times 4 = 80$.
12	D	$2 + 3 = 5$ parts, so one part is $40 \div 5 = 8$ sweets. Beth gets $3 \times 8 = 24$.
13	E	Each number is double the one before, take away 3. So $27 \times 2 - 3 = 51$.
14	A	Take 3 from both sides to get $5n = 35$, then divide by 5. $n = 7$.
15	B	Swap x for 6: $y = 5 \times 6 + 7 = 37$.
16	A	Angles in a triangle add up to 180° . $180 - 51 - 40 = 89$.
17	E	Angles on a straight line add up to 180° . $180 - 123 = 57$.
18	C	Perimeter is all four sides added: $14 + 5 + 14 + 5 = 38$ cm.
19	D	Area of a triangle is half of base $\times$ height: $8 \times 6 \div 2 = 24$ cm ² .
20	B	Volume of a cube is edge $\times$ edge $\times$ edge: $5 \times 5 \times 5 = 125$ cm ³ .
21	D	12:50 plus 1 hour is 13:50. Another 15 minutes takes you to 14:05.
22	B	$3 \times \text{£}1.15 = \text{£}3.45$. Change from $\text{£}5.00$ is $\text{£}1.55$.
23	E	1 litre = 1,000 ml, so $6.4 \times 1,000 = 6,400$ ml.
24	C	The range is the biggest take away the smallest: $20 - 3 = 17$.
25	A	4 of the 12 marbles are white: $\frac{4}{12}$, which simplifies to $\frac{1}{3}$.
26	E	A seventh of 35 is 5, so there are $3 \times 5 = 15$ boys. $35 - 15 = 20$ girls.
27	D	08:28 to 09:28 is 1 hour. 09:28 to 09:50 is 22 more minutes.
28	C	$1 \times \text{£}8.50 = \text{£}8.50$ and $3 \times \text{£}4.50 = \text{£}13.50$. Together that is $\text{£}22.00$.
29	A	Work backwards: $22 + 5 = 27$, then $27 \div 3 = 9$.
30	B	A cuboid has a top, a bottom and four sides: 6 faces.

