



WAJD Academy: Maths Paper 9 Answers

Answer sheet with explanations

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Q	Answer	How to get it
1	E	Add the units, tens and hundreds with carrying: $560 + 252 = 812$.
2	B	Subtract with exchanging: $814 - 438 = 376$.
3	C	$33 \times 12 = 396$ doubled is 792.
4	D	$7 \times 88 = 616$, so $616 \div 7 = 88$.
5	A	The 1 sits in the thousands column, so it is worth 1,000.
6	E	The deciding digit is 3, so 8,384 rounds down to 8,000.
7	A	One quarter of 52 is 13, so three quarters is $13 \times 3 = 39$.
8	C	Multiply the top and bottom of $\frac{2}{3}$ by 4 to get $\frac{8}{12}$.
9	D	Add with the decimal points lined up: $5.7 + 0.79 = 6.49$.
10	B	$\frac{4}{5} = \frac{80}{100}$, because $5 \times 20 = 100$. That is 80%.
11	C	10% of 200 is 20, so 15% is 20×1 plus half of 20 = 30.
12	B	$5 + 7 = 12$ parts, so one part is $84 \div 12 = 7$ sweets. Tom gets $7 \times 7 = 49$.
13	D	Each number is double the one before, take away 2. So $10 \times 2 - 2 = 18$.
14	A	Add 4 to both sides to get $4n = 44$, then divide by 4. $n = 11$.
15	E	Swap x for 8: $y = 5 \times 8 - 6 = 34$.
16	A	Angles in a triangle add up to 180° . $180 - 40 - 68 = 72$.
17	E	Angles around a point add up to 360° . $360 - 122 - 98 = 140$.
18	D	Perimeter is all four sides added: $9 + 6 + 9 + 6 = 30$ cm.
19	C	Area of a triangle is half of base $\times$ height: $12 \times 5 \div 2 = 30$ cm ² .
20	B	Volume of a cube is edge $\times$ edge $\times$ edge: $5 \times 5 \times 5 = 125$ cm ³ .
21	A	11:40 plus 2 hours is 13:40. Another 30 minutes takes you to 14:10.
22	C	$4 \times 45p = \text{£}1.80$. Change from $\text{£}5.00$ is $\text{£}3.20$.
23	D	1 litre = 1,000 ml, so $6.4 \times 1,000 = 6,400$ ml.
24	E	Put them in order: 5, 9, 10, 12, 15. The middle number is 10.
25	B	4 of the 12 marbles are yellow: $\frac{4}{12}$, which simplifies to $\frac{1}{3}$.
26	B	A ninth of 45 is 5, so there are $4 \times 5 = 20$ boys. $45 - 20 = 25$ girls.
27	A	11:09 to 12:09 is 1 hour. 12:09 to 13:11 is 62 more minutes.
28	D	$2 \times \text{£}9.75 = \text{£}19.50$ and $2 \times \text{£}5.25 = \text{£}10.50$. Together that is $\text{£}30.00$.
29	C	Work backwards: $54 + 6 = 60$, then $60 \div 6 = 10$.
30	E	A cuboid has a top, a bottom and four sides: 6 faces.

