



WAJD Academy: Maths Paper 6 Answers

Answer sheet with explanations

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Q	Answer	How to get it
1	A	Add the units, tens and hundreds with carrying: $775 + 451 = 1226$.
2	D	Subtract with exchanging: $912 - 281 = 631$.
3	E	$29 \times 12 = 348$ doubled is 696.
4	B	$4 \times 114 = 456$, so $456 \div 4 = 114$.
5	C	The 3 sits in the thousands column, so it is worth 3,000.
6	C	The deciding digit is 3, so 437 rounds down to 400.
7	E	One seventh of 42 is 6, so two sevenths is $6 \times 2 = 12$.
8	A	Multiply the top and bottom of $2/5$ by 5 to get $10/25$.
9	B	Subtract with the decimal points lined up: $4.0 - 1.54 = 2.46$.
10	D	$8/25 = 32/100$, because $25 \times 4 = 100$. That is 32%.
11	A	10% of 60 is 6, so 45% is 6×4 plus half of 6 = 27.
12	E	$3 + 5 = 8$ parts, so one part is $40 \div 8 = 5$ sweets. Sam gets $3 \times 5 = 15$.
13	D	Each number is double the one before, add 3. So $61 \times 2 + 3 = 125$.
14	C	Take 7 from both sides to get $3n = 36$, then divide by 3. $n = 12$.
15	B	Swap x for 4: $y = 4 \times 4 - 4 = 12$.
16	E	Angles in a triangle add up to 180° . $180 - 51 - 55 = 74$.
17	B	Angles around a point add up to 360° . $360 - 123 - 123 = 114$.
18	A	Perimeter is all four sides added: $11 + 3 + 11 + 3 = 28$ cm.
19	D	Area of a triangle is half of base $\times$ height: $12 \times 5 \div 2 = 30$ cm ² .
20	C	Volume of a cuboid is length $\times$ width $\times$ height: $6 \times 2 \times 5 = 60$ cm ³ .
21	B	09:05 plus 2 hours is 11:05. Another 5 minutes takes you to 11:10.
22	E	$4 \times 45p = \text{£}1.80$. Change from $\text{£}5.00$ is $\text{£}3.20$.
23	D	1 kg = 1,000 g, so $2.5 \times 1,000 = 2,500$ g.
24	C	Put them in order: 4, 7, 10, 15, 19. The middle number is 10.
25	A	3 of the 12 marbles are grey: $3/12$, which simplifies to $1/4$.
26	B	A seventh of 28 is 4, so there are $3 \times 4 = 12$ boys. $28 - 12 = 16$ girls.
27	C	12:57 to 13:57 is 1 hour. 13:57 to 14:32 is 35 more minutes.
28	D	$2 \times \text{£}6.50 = \text{£}13.00$ and $3 \times \text{£}4.50 = \text{£}13.50$. Together that is $\text{£}26.50$.
29	E	Work backwards: $56 + 10 = 66$, then $66 \div 6 = 11$.
30	A	A cube has 4 edges round the top, 4 round the bottom and 4 upright: 12.

