



WAJD Academy: Maths Paper 8 Answers

Answer sheet with explanations

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Q	Answer	How to get it
1	D	Add the units, tens and hundreds with carrying: $527 + 562 = 1089$.
2	C	Subtract with exchanging: $688 - 222 = 466$.
3	B	$44 \times 6 = 264$ doubled is 528.
4	E	$4 \times 76 = 304$, so $304 \div 4 = 76$.
5	A	The 2 sits in the thousands column, so it is worth 2,000.
6	D	The deciding digit is 4, so 6,488 rounds down to 6,000.
7	A	One quarter of 52 is 13, so three quarters is $13 \times 3 = 39$.
8	B	Multiply the top and bottom of $4/5$ by 4 to get $16/20$.
9	E	Add with the decimal points lined up: $3.8 + 0.2 = 4.0$.
10	C	$8/25 = 32/100$, because $25 \times 4 = 100$. That is 32%.
11	B	10% of 160 is 16, so 15% is 16×1 plus half of 16 = 24.
12	D	$3 + 7 = 10$ parts, so one part is $50 \div 10 = 5$ sweets. Tom gets $7 \times 5 = 35$.
13	C	Each number is double the one before, add 3. So $45 \times 2 + 3 = 93$.
14	A	Take 9 from both sides to get $6n = 36$, then divide by 6. $n = 6$.
15	E	Swap x for 4: $y = 3 \times 4 + 4 = 16$.
16	C	Angles in a triangle add up to 180° . $180 - 40 - 68 = 72$.
17	E	Angles on a straight line add up to 180° . $180 - 112 = 68$.
18	B	Perimeter is all four sides added: $8 + 6 + 8 + 6 = 28$ cm.
19	A	Area of a triangle is half of base $\times$ height: $14 \times 6 \div 2 = 42$ cm ² .
20	D	Volume of a cuboid is length $\times$ width $\times$ height: $8 \times 4 \times 4 = 128$ cm ³ .
21	A	11:30 plus 2 hours is 13:30. Another 25 minutes takes you to 13:55.
22	B	$4 \times 85p = \text{£}3.40$. Change from $\text{£}5.00$ is $\text{£}1.60$.
23	D	1 litre = 1,000 ml, so $2.5 \times 1,000 = 2,500$ ml.
24	E	Add them to get 60, then divide by how many there are: $60 \div 5 = 12$.
25	C	2 of the 10 marbles are red: $2/10$, which simplifies to $1/5$.
26	A	A ninth of 45 is 5, so there are $2 \times 5 = 10$ boys. $45 - 10 = 35$ girls.
27	D	10:29 to 11:29 is 1 hour. 11:29 to 13:13 is 104 more minutes.
28	E	$2 \times \text{£}7.25 = \text{£}14.50$ and $3 \times \text{£}4.25 = \text{£}12.75$. Together that is $\text{£}27.25$.
29	B	Work backwards: $20 - 8 = 12$, then $12 \times 6 = 72$.
30	C	Two triangular ends plus three rectangular sides makes 5 faces.

