Weekly check: Year 8 whole year

Answers

KS3 Maths weekly check

This check online

Q	Answer	Marks
1	**a)** 10 days **b)** All the bricklayers work at the same rate	3
2	70.7 cm^2	2
3	-1°C	2
4	156 g	2
5	**a)** A (3, 4), B (-2, 3) **b)** C (-4, -1), D (2, -3)	2
6	6 × 6 gives the area of the square, not the perimeter. The perimeter is 4 × 6 = 24 cm.	2
7	2 hours	3
8	200	2
9	26 grams	2
10	**a)** not replaced, so the second probabilities depend on the first counter **b)** $\frac{4}{10}, \frac{6}{10}; \frac{3}{9}, \frac{6}{9}; \frac{4}{9}, \frac{5}{9}$ **c)** $\frac{2}{15}$	4
11	144°	3
12	-1, 0, 1, 2, 3	2
13	**a)** $6\frac{3}{4}$ cups **b)** 4 cakes with 1 cup left over	4
14	Yes - two angles and the side between them are equal (ASA)	2
15	21 minutes	3
16	$x = \frac{w - 10y}{2}$	3
17	An arc from P crossing the line at two points, then arcs of equal radius from those two points crossing below the line; the line from P through that crossing point is perpendicular to the original line	2
18	18	2
19	**a)** 63° (AB and CD are perpendicular, so angle BOC = 90°) **b)** 63° (vertically opposite to x)	3
20	**a)** 7^7 **b)** 12^5	2

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Full worked solutions, written out by hand, are on the solutions sheet for this check.

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