Weekly check: Year 8 part 1

Answers

KS3 Maths weekly check

This check online

Q	Answer	Marks
1	**a)** 42 cm **b)** 9 cm **c)** 20.7 cm	3
2	31	2
3	**a)** 2^7 **b)** $2^3 + 2^4 = 8 + 16 = 24$, but $2^7 = 128$, so they are not equal	3
4	**a)** $\frac{17}{5}$ **b)** $4\frac{5}{6}$	2
5	88 cm^2	3
6	**a)** 15.7 cm **b)** 39.7 cm	3
7	60.48	2
8	**a)** 18pi cm **b)** 81pi cm^2	3
9	28 cm	3
10	$465 \leq x < 475$	2
11	$2^3 \times 3 \times 11$	2
12	**a)** < **b)** =	2
13	**a)** 9, 16, 49 **b)** 8, 27, 125 **c)** 6, 21, 28	3
14	**a)** $2^3 \times 3 \times 5^2$ **b)** $2^4 \times 3 \times 5^2$	3
15	**a)** -7 **b)** -18	2
16	**a)** 31.4 cm **b)** 78.5 cm^2	3
17	**a)** 35 **b)** $\frac{3}{7}$ **c)** $\frac{2}{3}$	3
18	**a)** 13 **b)** 18	2
19	$8.25 \leq w < 8.35$	2
20	-2°C	2

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

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