Weekly check: Year 8 part 3

Answers

KS3 Maths weekly check

This check online

Q	Answer	Marks
1	0.35	2
2	**a)** 17 **b)** 22	3
3	£269 967	3
4	**a)** (11, 10) **b)** approximately 47 (accept 44-50)	3
5	**a)** $100 < h \leq 150$ **b)** $100 < h \leq 150$ **c)** 116.7 cm	4
6	17	3
7	12 cm	2
8	£427.50	3
9	**a)** SSS, SAS, ASA, RHS **b)** open: Equal angles only show the triangles are similar. One could be an enlargement of the other, so they need not be the same size.	2
10	**a)** 6 **b)** 40 **c)** 14	3
11	**a)** 64 km **b)** 7.5 miles	3
12	**a)** discrete **b)** continuous **c)** continuous **d)** discrete	2
13	**a)** 2.5 **b)** 15 cm	2
14	£45	2
15	**a)** £313.60 **b)** £52.50	3
16	a) triangular prism b) a 1 cm by 2 cm rectangle on the right of the 3 by 2 face, and a 3 cm by 2 cm rectangle above the top 3 by 1 face	3
17	Large box - 2.75p per teabag compared with 3p per teabag	3
18	Arc from B crossing both arms, equal arcs from those two points crossing inside the angle, line from B through the crossing; each half measures 38° (accept 36° to 40°)	2
19	Base 6 cm, arcs of radius 6 cm from each end crossing at the third vertex; each angle is 60°	2
20	**A only)** 3, 9 **A and B)** 6, 12 **B only)** 2, 4, 8, 10 **outside)** 1, 5, 7, 11	3

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

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