Weekly check: Year 7 part 3

Answers

KS3 Maths weekly check

This check online

Q	Answer	Marks
1	a) a line from A at 65° to AB b) a line from C straight down, making a reflex angle of 270° with CD	2
2	**a)** 56 cm **b)** 26 cm **c)** 7.5 cm	3
3	**a)** 120 **b)** The sample is biased: pupils who use the bus stop gate are over-represented, so it may not represent all of Year 7	3
4	6 cm	3
5	**Year 7 Car)** 26 **Year 8 Bus)** 31 **Year 8 Walk)** 21 **Year 8 Total)** 70 **Car Total)** 44 **Walk Total)** 51	3
6	x = 97 (angles around a point add up to 360 degrees)	2
7	**a)** A and C **b)** parallelogram	2
8	**a)** 36 cm^2 **b)** 26 cm	2
9	108 cm^2	3
10	**A)** positive **B)** negative **C)** no correlation	3
11	**a)** 5 **b)** 9	2
12	**a)** 35 minutes **b)** Bus A, leaving Park Road at 07:52 **c)** 18 minutes	3
13	**a)** 6.3 cm (63 mm) **b)** 137°	2
14	450 cm^3	2
15	1.45	3
16	9 cm	3
17	9	2
18	**a)** 12 **b)** 153.5 cm	3
19	**a)** positive correlation **b)** approximately 160 (accept 150-175)	3
20	Year 8 jumped further on average (higher median). Year 8 were more consistent (smaller range).	2

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

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