Frequency polygons

Answers

GCSE Maths topic practice

This topic online

Q	Answer	Marks
1	10, 30, 50, 70	2
2	(12.5, 3), (17.5, 9), (22.5, 12), (27.5, 8)	2
3	Points at (110, 4), (130, 7), (150, 11), (170, 6), (190, 2) joined in order with straight lines	2
4	**a)** 17 **b)** 50 **c)** 20 < t <= 30	3
5	He plotted at the ends of the classes, not the midpoints (5, 15, 25, 35); he should not join the last point back to the first	2
6	**a)** Points at (2.5, 4), (7.5, 14), (12.5, 13), (17.5, 6), (22.5, 3) joined with straight lines **b)** 5 < d <= 10 **c)** 10 < d <= 15	4
7	**a)** 5 **b)** Class A, because its polygon is further to the right (its modal class is 30 < t <= 40, Class B's is 10 < t <= 20)	3
8	**a)** 25 **b)** 3.96 kg	4
9	**a)** 6 **b)** Point plotted at (45, 6) and joined to (35, 8) with a straight line	3
10	**a)** 33 **b)** Yes, 33 is more than 30, which is half of 60	3

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

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