

Cost graphs

1 One chew costs 3p.

(a) Complete this table:

Number of chews	1	2	3	4	5	6
Cost in pence	3	6	9	12	15	18

(b) Use the information in the table to draw a spike graph.

(c) Lay your ruler along the tops of the spikes.

What do you notice?

The tops of the spikes
lie on a straight line.



2 One litre of milk costs 45p.

(a) Complete this table:

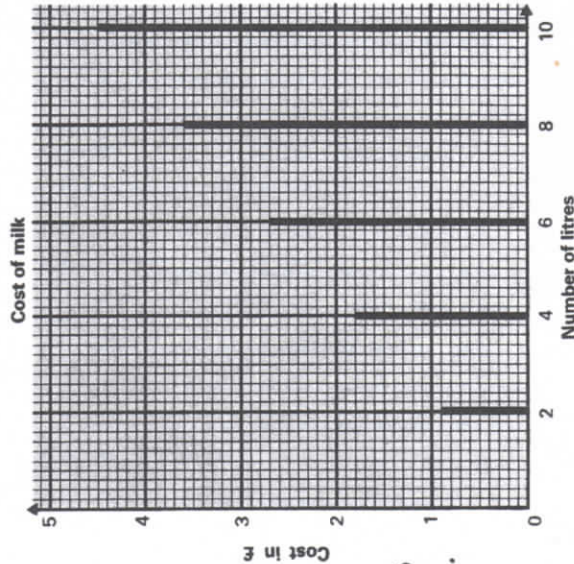
Number of litres	2	4	6	8	10
Cost in £	0.90	1.80	2.70	3.60	4.50

(b) Use the information in the table to draw a spike graph.

(c) Lay your ruler along the tops of the spikes.

What do you notice?

The tops of the spikes
lie on a straight line.



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Straight-line graphs

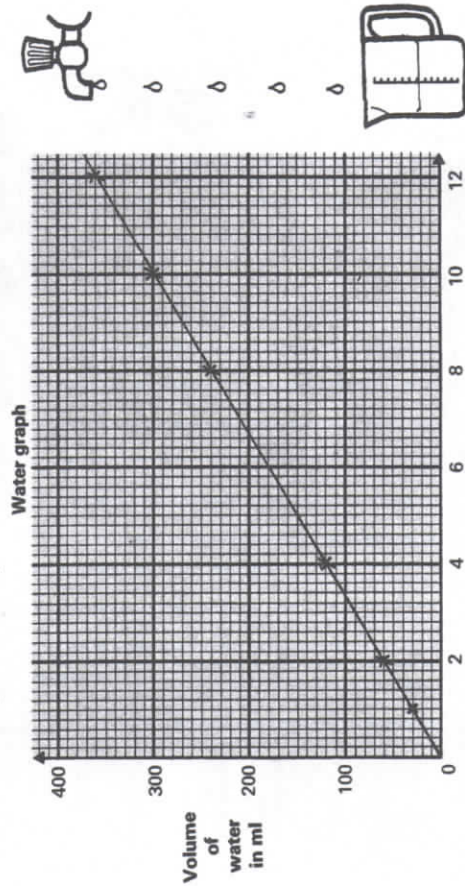
1 Water drips from a tap at a steady rate of 30 ml per minute.

(a) Complete this table:

Time in minutes	1	2	4	8	10	12
Volume of water in ml	30	60	120	240	300	360

(b) Do not draw spikes. Mark a cross where the top of each spike would be.

(c) Draw a straight line through all the crosses.



(d) Use your straight-line graph to find the volume dripped in 5 minutes. 150 ml

(e) Find, from your graph, the time taken for 270 ml to drip from the tap. 9 minutes

2 (a) Complete this table of pairs of numbers which add to 8.

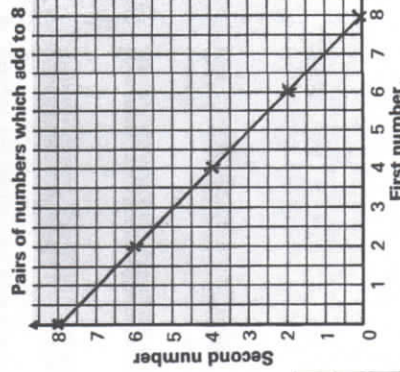
First number	0	2	4	6	8
Second number	8	6	4	2	0

(b) Mark a cross for each pair of numbers.

(c) Draw a straight line through all the crosses.

(d) Use your graph and complete this table:

First number	3	1	1½	5½
Second number	5	7	6½	2½
Total	8	8	8	8



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