

4

1. D                      2. C                      3. C                      4. C

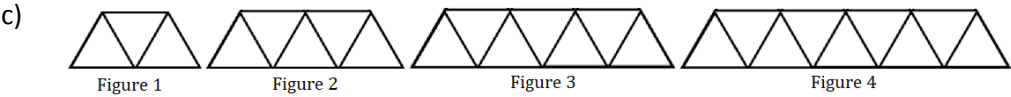
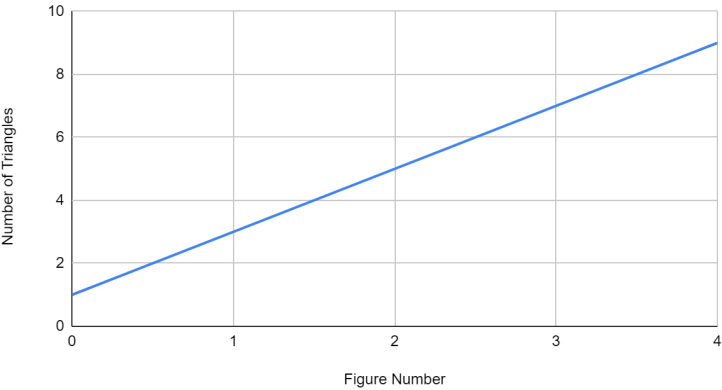
2

5. a) Answers may vary. Example: There are three fewer dogs than cats.  
b) Answers may vary. Example: Half of the cats are male.

3

6. a) 9 triangles    b)

Relationship between Fig. # and # of Triangles



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7. a)  $C = 2t + 10$

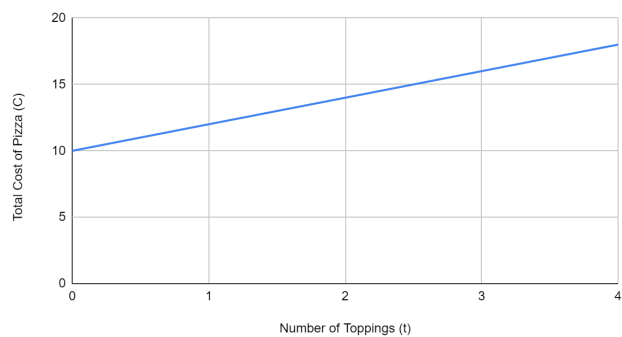
b)

<b>t</b>	1	2	3	4
<b>C</b>	12	14	16	18

- c) The relationship is linear. The cost goes up by \$2 each time a topping is added.

d)

Cost of a pizza based on # of toppings



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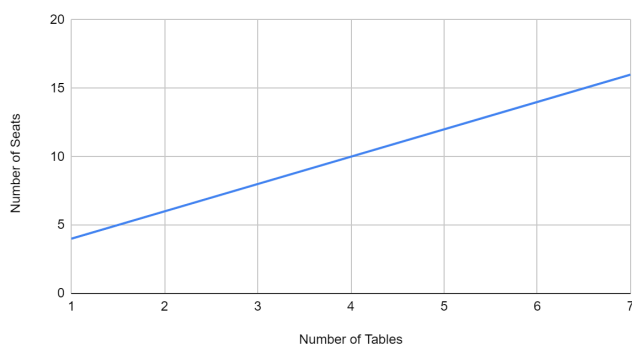
8. a) There would be 12 seats.

b)

<b>t</b>	1	3	5	7
<b>s</b>	4	8	12	16

c)

Number of Seats vs. Number of Tables



- d) For every table that you add, another two people may sit down.