Missing Terms in Sequences

Given that each of these sequences is arithmetic (linear), find the missing terms.

(a) $5, 8, \_\_\_ , \_\_\_ , 17, 20, \ldots$

(b) $9, \_\_\_ , 17, 21, \_\_\_ , 29, \ldots$

(c) $29, 27, \_\_\_ , 23, \_\_\_ \ 19, \ldots$

(d) $\_\_\_ , -6, -11, \_\_\_ , -21, -26, \ldots$

(e) $0.5, 0.8, \_\_\_ , \_\_\_ , 1.7, 2, \ldots$

Given that each of these sequences is geometric, find the missing terms.

(a) $1, 2, 4, \_\_\_ , \_\_\_ , 32, 64, \ldots$

(b) $8, 24, \_\_\_ , 216, \_\_\_, 1944, \ldots$

(c) $\_\_\_, 100, 50, 25, \_\_\_ , 6.25, \ldots$

(d) $8, \_\_\_ , 18, 27, \_\_\_ , 60.75, \ldots$

(e) $\_\_\_ , \frac{1}{4}, \_\_\_ , \frac{1}{16} , \frac{1}{32} , \frac{1}{64} , \ldots$

Given that each of these sequences is quadratic, find the missing terms.

(a) $5, 6, 8, \_\_\_ , \_\_\_ , 20, \ldots$

(b) $1, \_\_\_ , \_\_\_ , 13, 23, 36, \ldots$

(c) $\_\_\_ , 4, 8, 14, \_\_\_ , 32, \ldots$

(d) $12, \_\_\_ , 20, 27, 36, \_\_\_ , \ldots$

(e) $7, 8.5, 11, \_\_\_ , \_\_\_ , 24.5, \ldots$

Find the missing terms in each of these sequences.

(a) $1000, 200, \_\_\_ , 8, 1.6, \_\_\_$

(b) $2, 3, 5, \_\_\_ , \_\_\_ , 17, \ldots$

(c) $\_\_\_ , 2, -1, \_\_\_ , -7, -10, \ldots$

(d) $\_\_\_ , \_\_\_ , 6.1, 6.5, 6.9, 7.3, \ldots$

(e) $\frac{3}{4}, \_\_\_ , \frac{27}{16} , \frac{81}{32} , \frac{243}{64} , \_\_\_ , \ldots$

Missing Terms in Sequences

Given that each of these sequences is arithmetic (linear), find the missing terms.

(a) $5, 8, \_\_\_ , \_\_\_ , 17, 20, \ldots$

(b) $9, \_\_\_ , 17, 21, \_\_\_ , 29, \ldots$

(c) $29, 27, \_\_\_ , 23, \_\_\_ \ 19, \ldots$

(d) $\_\_\_ , -6, -11, \_\_\_ , -21, -26, \ldots$

(e) $0.5, 0.8, \_\_\_ , \_\_\_ , 1.7, 2, \ldots$

Given that each of these sequences is geometric, find the missing terms.

(a) $1, 2, 4, \_\_\_ , \_\_\_ , 32, 64, \ldots$

(b) $8, 24, \_\_\_ , 216, \_\_\_, 1944, \ldots$

(c) $\_\_\_, 100, 50, 25, \_\_\_ , 6.25, \ldots$

(d) $8, \_\_\_ , 18, 27, \_\_\_ , 60.75, \ldots$

(e) $\_\_\_ , \frac{1}{4}, \_\_\_ , \frac{1}{16} , \frac{1}{32} , \frac{1}{64} , \ldots$

Given that each of these sequences is quadratic, find the missing terms.

(a) $5, 6, 8, \_\_\_ , \_\_\_ , 20, \ldots$

(b) $1, \_\_\_ , \_\_\_ , 13, 23, 36, \ldots$

(c) $\_\_\_ , 4, 8, 14, \_\_\_ , 32, \ldots$

(d) $12, \_\_\_ , 20, 27, 36, \_\_\_ , \ldots$

(e) $7, 8.5, 11, \_\_\_ , \_\_\_ , 24.5, \ldots$

Find the missing terms in each of these sequences.

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(e) $\frac{3}{4}, \_\_\_ , \frac{27}{16} , \frac{81}{32} , \frac{243}{64} , \_\_\_ , \ldots$