

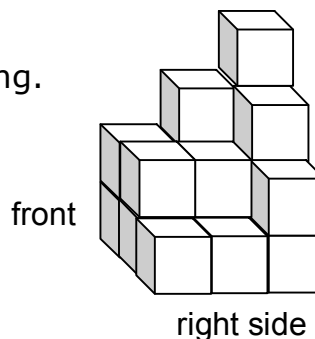
Answers GEOMETRY FALL SEMESTER EXAM REVIEW

15. 15, 19

16. 6^3 , 7^3

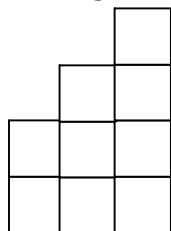
17. Draw a foundation drawing for the isometric drawing.

| | | |
|---|---|---|
| 4 | 3 | 2 |
| 3 | 2 | 1 |
| 2 | 2 | 1 |

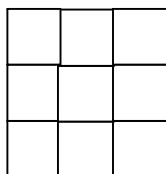


Draw the orthographic views of the isometric figure above.

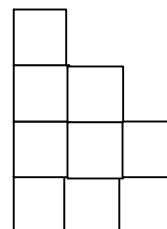
18. right-side view



19. top view



20. front view



21. Line BC, Line EC

22. A, B, C

23. A

24. C

25. NO

26. Line AH

27. Line BG

28. D

29. B

30. parallel

31. intersecting

32. intersecting

33. skew

34. D G

35. D, G

36. Line BC

37. Line EF

38. $x = 4$,

AD = 17,

BD = 16,

39.

PA = 17

DA = 17

PD = 34

55. $x = 10$
56. $m\angle QVP = 56^\circ$
57. $m\angle PVR = 56^\circ$
58. $m\angle QVR = 112^\circ$
59. $x = 8$
60. $m\angle RYN = 90^\circ$
61. $m\angle RYA = 34^\circ$
62. $m\angle AYG = 22^\circ$
63. $m\angle GYN = 34^\circ$
64. $m\angle RYG = 56^\circ$
65. $m\angle AYN = 56^\circ$
66. Value of $x = 8$
67. $m\angle HAL = 67^\circ$
68. $m\angle LAE = 23^\circ$
69. 7.3
70. (1.5, -2.5)
71. (4, -11)
72. $P = 96\text{cm}$
 $A = 576\text{cm}^2$
73. $P = 70\text{in}$
 $A = 286\text{ cm}^2$
74. $C = 65.94\text{ ft}$
 $A = 346.19\text{ft}^2$
75. $x = 22$
76. $x = 19$
77. $x = 12$
78. $m\angle GLR = 28^\circ$
79. $m\angle RLA = 62^\circ$
80. $m\angle NLD = 90^\circ$
81. $m\angle GLC = 90^\circ$
82. $m\angle HLC = 28^\circ$
83. $m\angle GLD = 152^\circ$
84. $x = 45$
85. $x = 10$
86. $x = 25.5$
87. $x = 115$
 $y = 65$
88. $x = 57$
 $y = 58$
 $z = 58$
89. $x = 40$
 $y = 115$
90. $x = y = 46$
91. $x = 4$
92. $x = 5$
 $y = 4$
93. $x = 65$
 $y = 115$
94. $x = 7$

$$y = 5$$

$$95. x = 8$$

$$y = 4$$

96.

$$x = 90$$

$$y = 9$$

$$97. x = 2$$

$$y = 4$$

$$98. x = 20$$

$$PR = 63$$

$$QS = 63$$

$$QA = 31.5$$

$$99. x = 7$$

$$y = 5$$

$$100. x = 11$$

$$y = 44$$

$$103. x = 30$$

$$104. x = 12$$

$$105. \text{no } \frac{15}{10} \neq \frac{10}{8}$$

$$106. \text{yes } \frac{15}{6} = \frac{7.5}{3}, \frac{5}{2} = \frac{15}{6}$$

$$107. x = 5$$

$$108. x = 5.25$$

$$109. x = 40$$

$$y = 30.8$$

$$110. x = 32\text{ft}$$

$$111. \frac{66}{1}$$