

Answers for Lesson 11-1, pp. 601–603 Exercises

- 4, 6, 4; $\overline{M}, \overline{N}, \overline{O}, \overline{P}$; $\overline{MN}, \overline{MP}, \overline{MO}, \overline{NO}, \overline{NP}, \overline{OP}$; $\triangle MNP$, $\triangle MOP$, $\triangle MNO$, $\triangle PNO$
- 8, 12, 6; $\overline{A}, \overline{B}, \overline{C}, \overline{D}, \overline{E}, \overline{F}, \overline{G}, \overline{H}$; $\overline{AB}, \overline{BC}, \overline{CD}, \overline{DA}, \overline{AE}, \overline{BF}, \overline{CG}, \overline{DH}, \overline{EF}, \overline{FG}, \overline{GH}, \overline{HE}$; quadrilaterals $ABCD$, $ABFE$, $BCGF$, $CDHG$, $DHEA$, $EFGH$
- 10, 15, 7; $\overline{P}, \overline{Q}, \overline{R}, \overline{S}, \overline{T}, \overline{U}, \overline{V}, \overline{W}, \overline{X}, \overline{Y}$; $\overline{UV}, \overline{VX}, \overline{XY}, \overline{YW}, \overline{WU}, \overline{UP}, \overline{VQ}, \overline{XS}, \overline{YT}, \overline{WR}, \overline{PQ}, \overline{QS}, \overline{ST}, \overline{TR}, \overline{RP}$; quadrilaterals $UPQV$, $VQSX$, $XSTY$, $YTRW$, $UWRP$ and pentagons $UVXYW$ and $PQSTR$

4. 8

5. 12

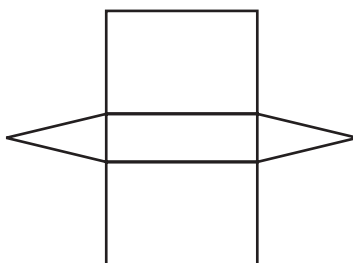
6. 12

7. 8

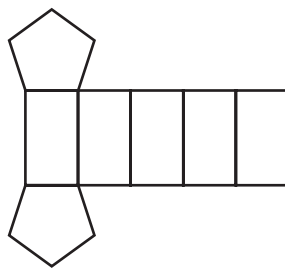
8. 5

9. 9

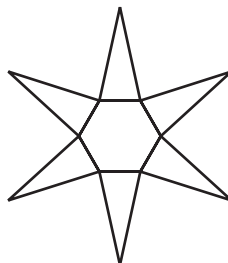
10. $5 + 6 = 9 + 2$;



11. $7 + 10 = 15 + 2$;



12. $7 + 7 = 12 + 2$;



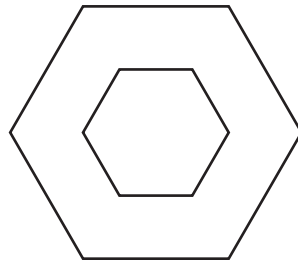
Answers for Lesson 11-1, pp. 601–603 Exercises (cont.)

13. two concentric circles

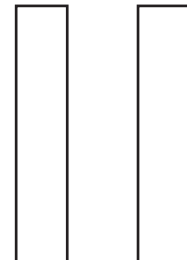
14. triangle

15. rectangle

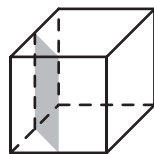
16. a.



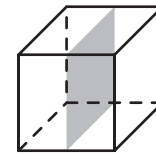
b. Sample:



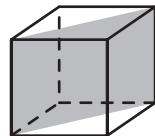
17. rectangle



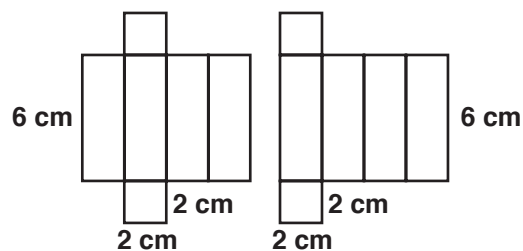
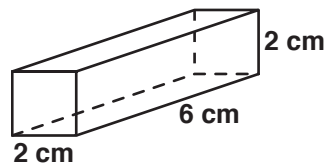
18. square



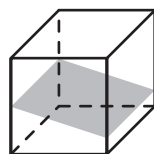
19. rectangle



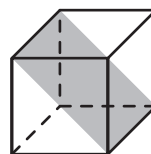
20. a–b. Answers may vary. Sample:



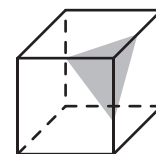
21. rectangle



22. rectangle



23. triangle



24. triangle

25. circle

26. 2 trapezoids

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27. cone

28. sphere

29. cylinder attached to a cone

30. 60

31. $18 + 32 = 48 + 2$

32. $4 + 6 = 9 + 1$

33. $6 + 4 = 9 + 1$

34. $5 + 5 = 9 + 1$

35. Check students' work.

36. a. A. icosahedron

B. octahedron

C. tetrahedron

D. hexahedron

E. dodecahedron

b. regular triangular pyramid, cube

c. $4 + 4 = 6 + 2$

$6 + 8 = 12 + 2$

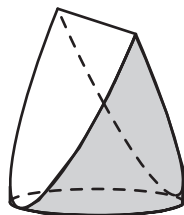
$8 + 6 = 12 + 2$

37. A

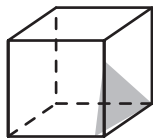
38–43. Check students' work.

44. Check students' work.

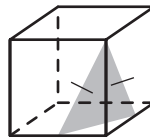
45.



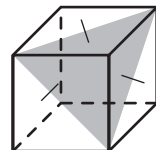
46.



47.



48.



Answers for Lesson 11-1, pp. 601–603 Exercises (cont.)

