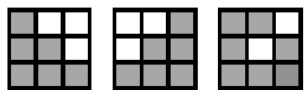


9-20. See below.

- ≈ 986.16 square mm
- 400% is 4 times as large. Therefore its area increases by a factor of 4^2 ; $986.16 \cdot 16 \approx 15,778.61$ square mm.

9-21. See below.

- See solutions below.



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- 42 units²

9-22. See below.

- 151°
- Yes; a regular 36-gon has interior angles of 170°.
- $27 \cdot 180^\circ = 4,860^\circ$

9-23. See below.

- $2x + 4x - 3 + 7x - 6 + 3x + 12 + x + 10 = 540, x = 31^\circ$
- $4x + 20^\circ + 5x - 2^\circ = 180^\circ, x = 18^\circ$

9-24. ≈ 0.271 or 72.9% decrease

9-25. See below.

- $2\sqrt{2}$ units
- $(-1, 6), (x, y) \rightarrow (x, -y)$
- $(8, 5)$
- $(2, -3)$

9-26. 240 cm³

9-27. D