Lesson 10 A Check-Up

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| Lesson 10 A: Perimeters of PolygonsSS4u06_m42-t101u06_m42-t102u06_m42-t1031. Find the perimeter of each polygon.a) b) c)   2. The perimeter of an isosceles triangle is 24 cm.What might the lengths of the sides be?Give 3 different answers.3. Write the side length of each polygon.a) a regular hexagon with perimeter 18 mb) a regular pentagon with perimeter 25 cmc) an equilateral triangle with perimeter 36 cm4. Find the perimeter of each polygon.a) a regular octagon with side length 7 cmb) a pentagon with side lengths 4 cm, 6 cm, 4 cm, 5 cm, 5 cmc) a parallelogram with side lengths 6 m and 12 m |

Lesson 10 B Check-Up

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| Lesson 10 B: Area of a RectangleSS41. Which rectangle has the greatest area? How do you know?a) Rectangle A: length 20 cm and width 5 cmb) Rectangle B: length 13 cm and width 12 cmc) Rectangle C: length 36 cm and width 9 cm 2. The perimeter of a rectangle is 30 cm.Find the whole-number dimensions of the rectangle with:a) the greatest areab) the least area3. Complete this chart.

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| Rectangle | Length (m) | Width (m) | Area (m2) |
| A | 9 | 11 |  |
| B | 15 |  | 60 |
| C |  | 3 | 48 |
| D | 6 |  | 33 |
| E | 7.8 | 6 |  |

4. Rectangle A has area 70 cm2 and width 5 cm.Rectangle B has one-half the area of Rectangle A.The rectangles have the same width.What is the length of Rectangle B? |

Lesson 10 C Check-Up

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| Lesson 10 C: Volume of a Rectangular PrismSS41. Find the volume of each rectangular prism.u06_m44-t104a) u06_m44-t105b)  u06_m44-t106c)  2. A box is 5 m long, 1.5 m wide, and 2 m tall.What is the volume of the box?3. Find the volume of each rectangular prism.Use a calculator when you need to.

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| Rectangular Prism | Length (cm) | Width (cm) | Height (cm) |
| A | 18 | 9 | 12 |
| B | 20 | 15 | 8 |
| C | 5.6 | 4 | 6 |
| D | 9 | 8 | 10 |

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