Lesson 10 A Check-Up

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| Lesson 10 A: Perimeters of Polygons  SS4  u06_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 m  b) a regular pentagon with perimeter 25 cm  c) an equilateral triangle with perimeter 36 cm  4. Find the perimeter of each polygon.  a) a regular octagon with side length 7 cm  b) a pentagon with side lengths 4 cm, 6 cm, 4 cm, 5 cm, 5 cm  c) 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 Rectangle  SS4  1. Which rectangle has the greatest area?  How do you know?  a) Rectangle A: length 20 cm and width 5 cm  b) Rectangle B: length 13 cm and width 12 cm  c) 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 area  b) the least area  3. Complete this chart.   |  |  |  |  | | --- | --- | --- | --- | | 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 Prism  SS4  1. 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.   |  |  |  |  | | --- | --- | --- | --- | | 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 | |