



Name _____ Class _____ Date _____

1 The perimeter of a square is **4 units**. If another square is added on to the square, the perimeter is **6 units**. What would be the **perimeter** of a figure that has **5 squares** in a line together?

- A 12 units C 18 units
B 15 units D 20 units

2 The sequence, **1, 4, 9, 16...** represents the area of a figure with the same base and height. If this sequence continues, what would be the **area** of a figure with a base and height of **14**?

- A 142 C 169
B 151 D 196

3 The sequence **6, 12, 24, 48...** represents the perimeter of shapes in which the sides are doubled. If the first shape has a length of **1 in.** and a width of **2 in.**, what would be the **perimeter** of a shape with a

4 A hardware store is having a paint sale. A smaller version of the display is shown. If the display has **8 rows**, how many cans of paint are used to make the display?



PREVIEW

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- A 21
B 24
C 28
D 32



- A 89 C 96
B 94 D 104

9 A quadrilateral can be divided into **two** triangles. The number of triangles a polygon can be divided into **increases by one** with every side of the polygon that increases. How many triangles can be made from a **heptagon**?

- A 4 C 6
B 5 D 7

10 The sequence, **60, 90, 108, 120...** is used to represent the number of degrees in **each angle** of a regular polygon with **3, 4, 5, 6...** sides. What is the measure of **each angle** of a regular decagon?

- A 135° C 144°
B 140° D 180°



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(A)

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(D)

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(B)



(B)

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