Example Restricted Use Items

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APPENDIX B

Example Restricted Use Items

Grade 4 Mathematics

Subtract:
428 – 176

Answer: 252

Charlie is 24 years old.
He is $\Box$ years older than Jenny.
Which of the following represents Jenny’s age?

- 24 – $\Box$
- $\Box$ + 24
- $\Box$ – 24
- 24 × $\Box$
Which rectangle is $\frac{1}{4}$ shaded?

A

B

C

Rule: To find the number in Column B, multiply the number in Column A by 4, then add 1.

Use this rule to fill in the table below.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>21</td>
</tr>
</tbody>
</table>
This shape consists of a square and a rectangle.
The width of the rectangle is the same as the width of the square.
The length of the rectangle is twice as long as its width.
Find the perimeter of the shape.

\[ \text{Perimeter} = 2 \times (\text{side of square} + \text{length of rectangle}) \]

Given:
- Side of square: 4 cm
- Length of rectangle: 4 x 2 = 8 cm

Perimeter = 2 x (4 + 8) = 2 x 12 = 24 cm

Options:
A 28 cm
B 32 cm
C 36 cm
D 40 cm

Correct answer: B 32 cm
The triangle is on a centimeter grid. What is its area?

- A. 4.5 square centimeters
- B. 6 square centimeters
- C. 9 square centimeters
- D. 9.5 square centimeters
Between which ages did Peter’s height increase most?

A) 10 and 11
B) 11 and 12
C) 12 and 13
D) 13 and 14
This pie chart shows what some students did after school. The chart is divided into 10 equal sections.

After-School Activities

- Read a Book
- Helped at Home
- Played Games
- Met with Friends

20 students read a book. How many met with friends?

A 40
B 60
C 80
D 100