

## Algebra

1 Fill in the blanks and describe the pattern that you see.

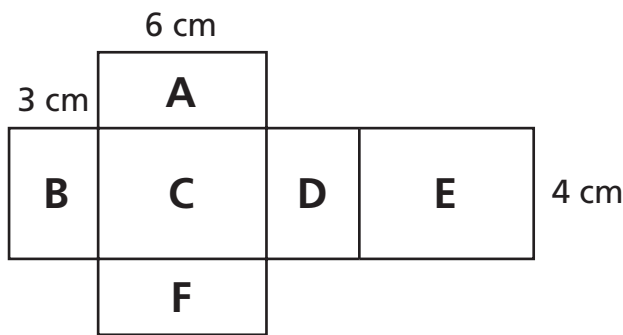
$6 \times 6 = \underline{\hspace{2cm}}$  and  $5 \times 7 = \underline{\hspace{2cm}}$        $9 \times 9 = \underline{\hspace{2cm}}$  and  $8 \times 10 = \underline{\hspace{2cm}}$   
 $13 \times 13 = \underline{\hspace{2cm}}$  and  $12 \times 14 = \underline{\hspace{2cm}}$        $23 \times 23 = \underline{\hspace{2cm}}$  and  $22 \times 24 = \underline{\hspace{2cm}}$

For 2–10, use the pattern you described above.

<p>2 <math>7 \times 7 = 49</math> and <math>6 \times 8 = \underline{\hspace{2cm}}</math></p>	<p>3 <math>12 \times 12 = 144</math> and <math>11 \times 13 = \underline{\hspace{2cm}}</math></p>	<p>4 <math>19 \times 19 = 361</math> and <math>18 \times 20 = \underline{\hspace{2cm}}</math></p>
<p>5 <math>34 \times 34 = 1,156</math> and <math>33 \times 35 = \underline{\hspace{2cm}}</math></p>	<p>6 <math>49 \times 49 = 2,401</math> and <math>48 \times 50 = \underline{\hspace{2cm}}</math></p>	<p>7 <math>24 \times 24 = 576</math> and <math>23 \times 25 = \underline{\hspace{2cm}}</math></p>
<p>8 <math>57 \times 57 = \underline{\hspace{2cm}}</math> <math>56 \times 58 = \underline{\hspace{2cm}}</math></p>	<p>9 <math>61 \times 61 = \underline{\hspace{2cm}}</math> <math>60 \times 62 = \underline{\hspace{2cm}}</math></p>	<p>10 <math>50 \times 50 = \underline{\hspace{2cm}}</math> <math>49 \times 51 = \underline{\hspace{2cm}}</math></p>

## Geometry

For 11–16, use the net for a rectangular prism. Find the area of each face of the prism.



- 11 Area of A = \_\_\_\_\_ square centimeters
- 12 Area of B = \_\_\_\_\_ square centimeters
- 13 Area of C = \_\_\_\_\_ square centimeters
- 14 Area of D = \_\_\_\_\_ square centimeters
- 15 Area of E = \_\_\_\_\_ square centimeters
- 16 Area of F = \_\_\_\_\_ square centimeters