## Use the diagrams below to create a rectangle with the area/perimeter shown. Each SVGREPLACE $=1$ unit(u). Answer with the length and height. Answers will vary.

1) Area of 18 square units.
 - - $-\bullet \bullet \bullet \bullet-0$ - - - - - - - -- - - $-0 \cdot 0$ -
 - - - • - • - • - 0 - 0 - - 0 -
 - - - - - - - - -- 0 - 0 - • • • • •
2) Area of 64 square units.

3) Perimeter of 8 units.

| - | - | - | - | - | - | - | - | - |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |
| - | - | - | - | - | - | - | - | - |  |

2) Perimeter of 20 units.

-     -         - 0 - -
-     -         -             - $\quad$ - $-\bullet$
-     -         - • - • - -
-     -         - 0 - - -
-     - $\quad$ - $\rightarrow$ - -
- $\cdot$ - • •
-     -         - $-\bullet \bullet \bullet-\quad$
-     -         -             -                 -                     -                         -                             - 
-     -         -             -                 -                     -                         -                             - 
-     - • • • • -

5) Perimeter of 28 units.

6) Area of 1 square units.

7) Perimeter of 22 units.

-     - • • • - • - -- $0 \cdot 0-0-0-0$ - - - 0 - $0-0$ - $0 \cdot 0 \cdot 0 \cdot 0$
 - $0 \cdot 0 \cdot 00000$ - 0 - 0 - $0-0$ - 0 - 0 - $0-0$ - $0 \cdot$ - 0 - -- $\bullet$ - $-\bullet$ -

6) Area of 40 square units. - • • • • • • -
 - 0 - 0 - -1 - $0 \cdot 0 \cdot 0 \cdot 0$ -- 0 - 0 - $0-0$ - 0 - 0 - 0 -- - - 0 - - -- - - $-0 \cdot 0$ -- - - - - - -
7) Perimeter of 10 units. - - • - • - -- - - 0 -- 0 - 0 - 0 -- 0 - 0 - 0 -- 0 - 0 - 0 -- 0 - 0 - - -- - - - -- 0 - 0 - 0 - - - - -- 0 - 0 - 0 -- 0 - 0 - 0 -
8) Area of 36 square units.

- 0 - 0 - -- - - 0 -- 0 - 0 - 0 -- - - 0 - $-\odot$ - 0 - 0 - 0 -- 0 - - - - -- - - - - -- 0 - 0 -- - 0 - 0 - -- - - - -0 -- 0 - 0 -

Answers

| 1. | $=18 u^{2}$ |
| :---: | :---: |
| 2. | $=20 \mathrm{u}$ |
| 3. | $=22 \mathrm{u}$ |
| 4. | $=64 u^{2}$ |
| 5. | =28u |
| 6. | $=40 \mathrm{u}^{2}$ |
| 7. | =8u |
| 8. | $=1 u^{2}$ |
| 9. | = 10u |
| 10. | $=49 \mathrm{u}^{2}$ |
| 11. | $=4 u^{2}$ |

12. 


4) Area of 64 square units.

7) Perimeter of 8 units.

2) Perimeter of 20 units.

-     -         - • - • - -- - - • - • $\bullet$ - - - • - • - -
 - - • $\bullet$ - • - - - - • - • -- 0 - 0 - $0-0 \cdot 0$ - - - - • $\bullet$ -
 - - • • • • -

5) Perimeter of 28 units.

6) Area of 1 square units.

7) Perimeter of 22 units.

-     - • • • - • - -- $0 \cdot 0-0-0-0$ - 0 - $0-0$ - 0 - $0 \cdot 0 \cdot 0 \cdot 0 \cdot 0$
 - $0 \cdot 0 \cdot 0 \cdot 0 \cdot 0$ - $0-0$ - $0-0$ -- 0 - $0-0$ -- 0 - 0 -


6) Area of 40 square units. - • • • • • • •
 - 0 - 0 - 0 -- $0 \cdot 0$ - 0 - 0 - 0 - 0 - 0 -- 0 - 0 - $0-0$ - 0 - 0 - 0 -- - - $-\odot$ - $-0 \cdot 0 \cdot 0 \cdot 0$ - 0 - - 0 -
7) Perimeter of 10 units. - - • • • • -- - 0 - 0 -- - - - -- 0 - 0 - 0 - 0 - 0 - 0 -- 0 - 0 - $-\bigcirc$ - 0 - 0 -- 0 - 0 -- 0 - - -- $0 \cdot 0 \cdot 0 \cdot 0 \cdot$ - 0 - 0 - - -

Answers

| 1. | $=18 u^{2}$ |
| :---: | :---: |
| 2. | =20u |
| 3. | $=22 \mathrm{u}$ |
| 4. | $=64 u^{2}$ |
| 5. | $=28 \mathrm{u}$ |
| 6. | $=40 \mathrm{u}^{2}$ |
| 7. | =8u |
| 8. | $=1 \mathbf{u}^{2}$ |
| 9. | $=10 \mathrm{ul}$ |
| 10. | $=49 \mathrm{u}^{2}$ |
| 11. | $=4 u^{2}$ |

12. $=36 u^{2}$
