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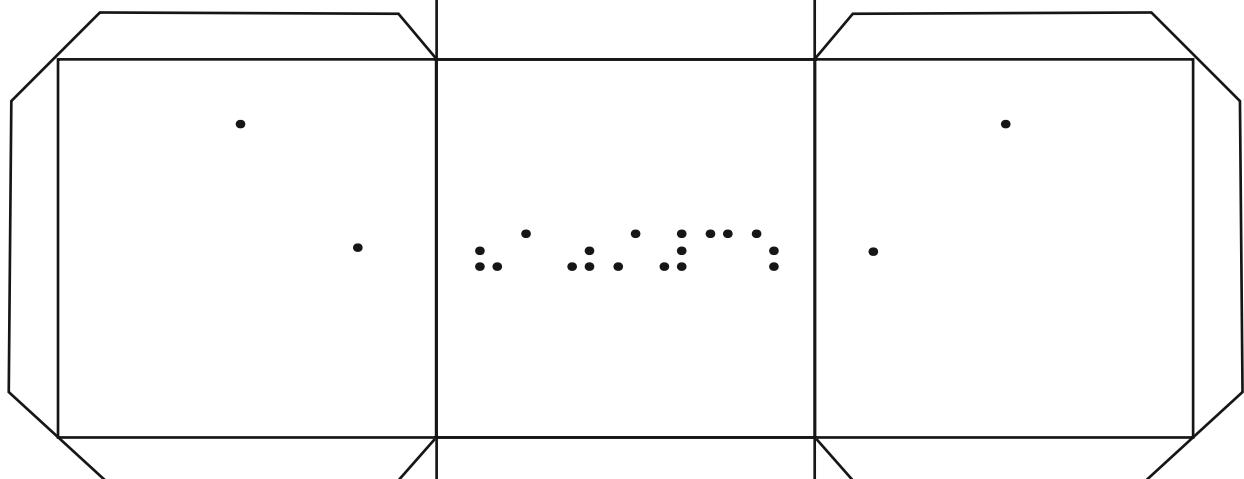
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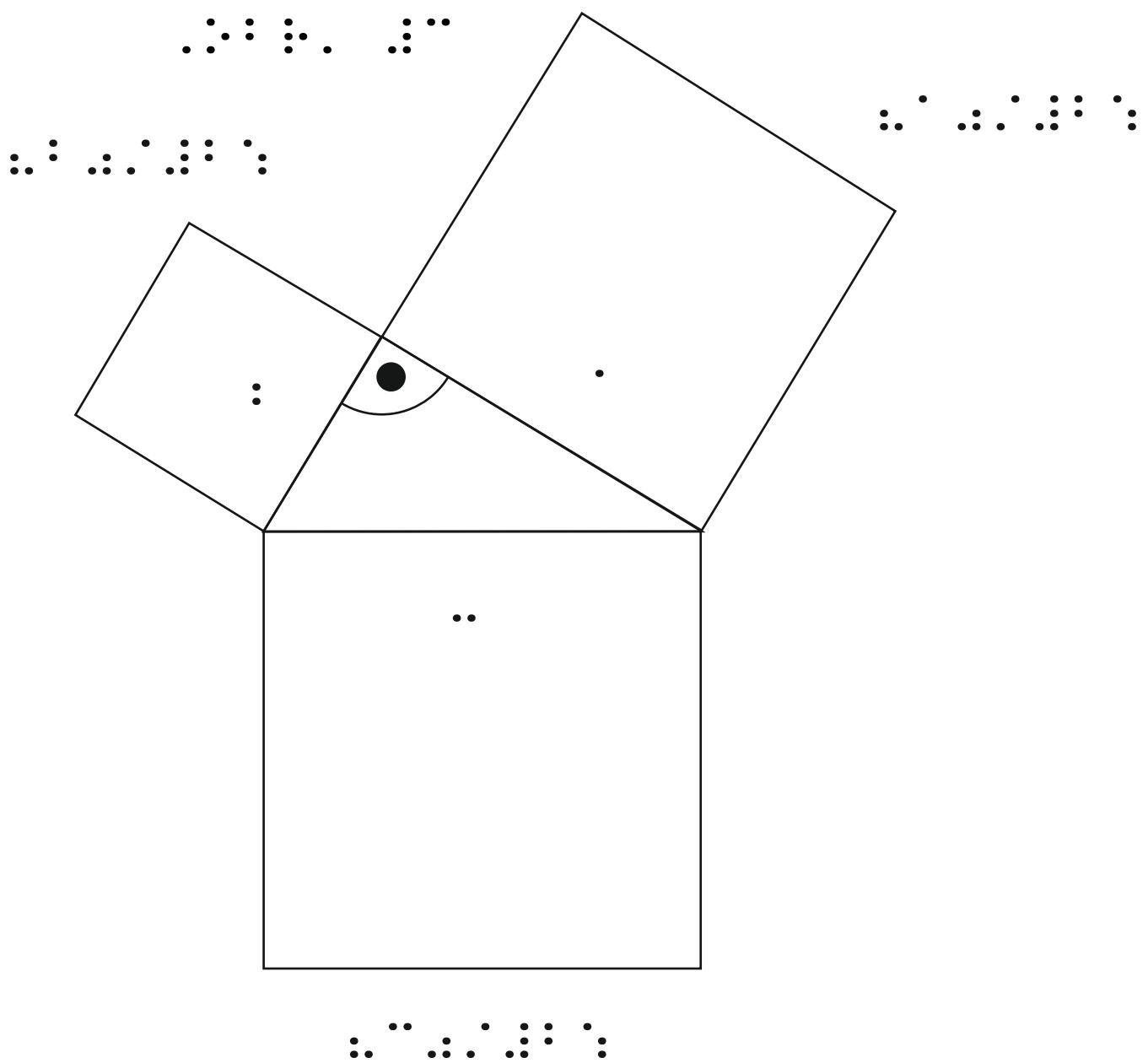
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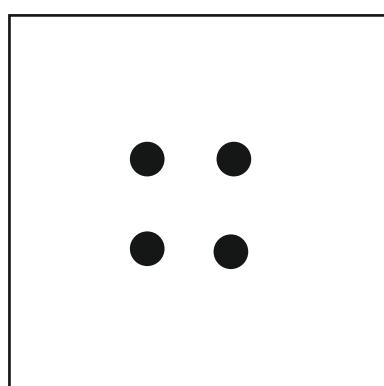
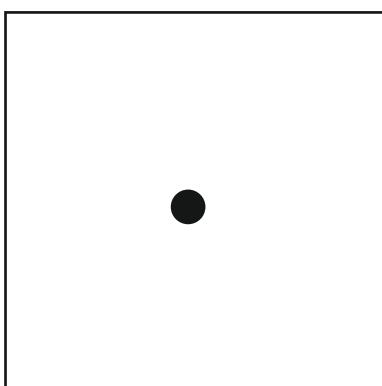
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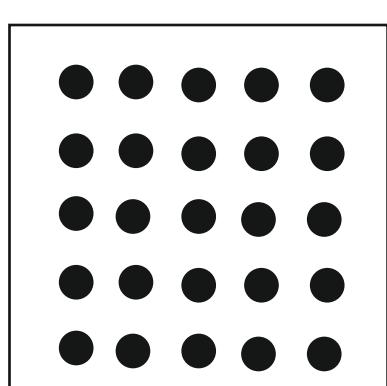
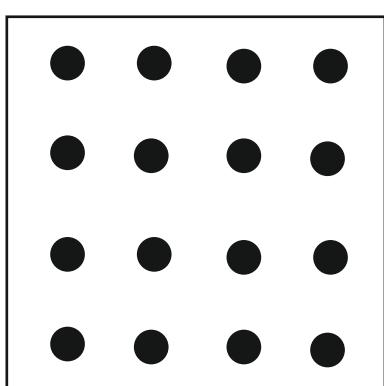
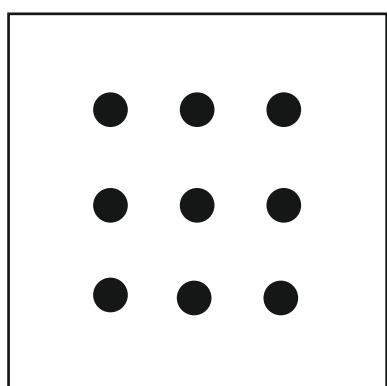
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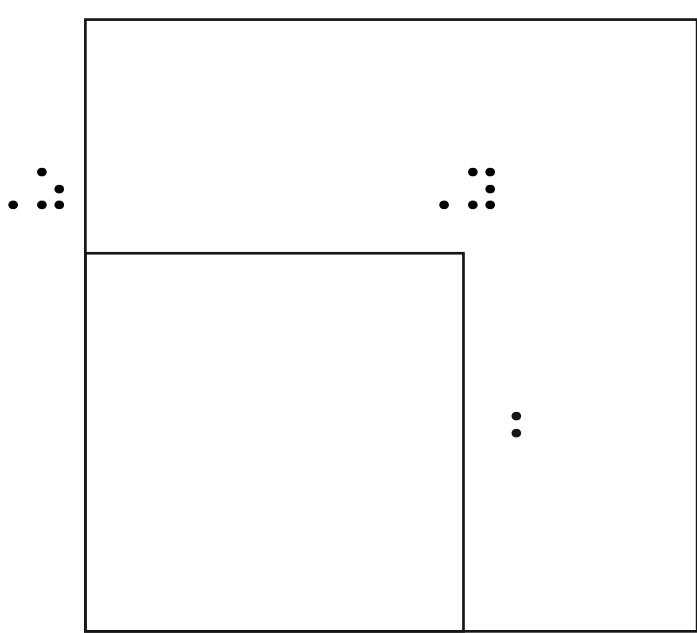
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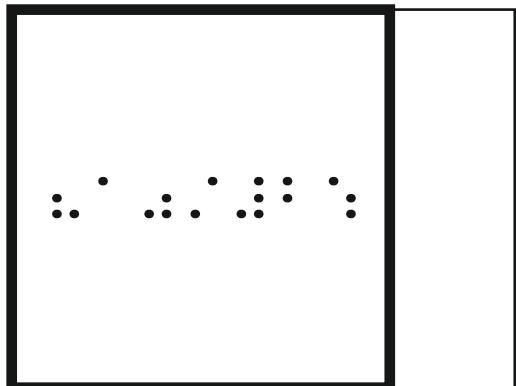
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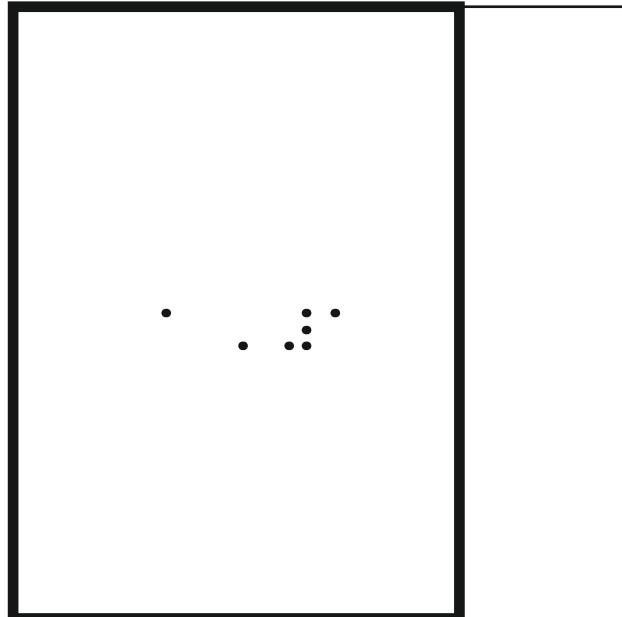
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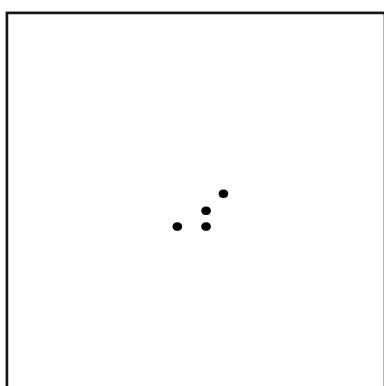
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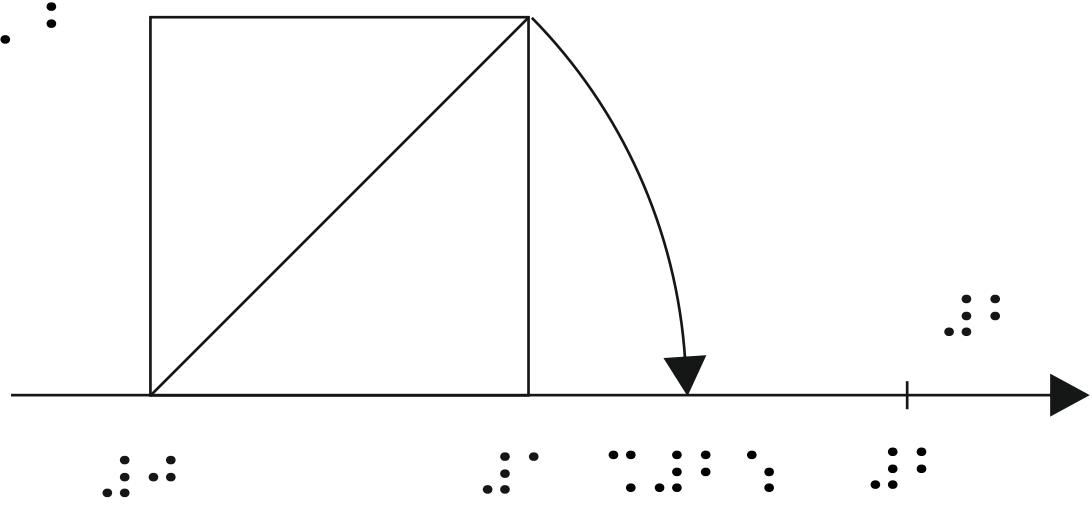


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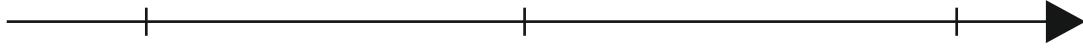
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The figure displays six horizontal timelines, each representing the evolution of a cellular automaton over time. Each timeline is defined by a horizontal axis with vertical tick marks and a black arrow pointing to the right, indicating the direction of time.

- Timeline 1:** Shows a single row of Braille dots. The pattern consists of a sequence of '0' and '1' symbols.
- Timeline 2:** Adds a second row of dots above the first. The pattern is identical to Timeline 1.
- Timeline 3:** Adds a third row above the second. The pattern is identical to Timeline 1.
- Timeline 4:** Adds a fourth row above the third. The pattern is identical to Timeline 1.
- Timeline 5:** Adds a fifth row above the fourth. The pattern is identical to Timeline 1.
- Timeline 6:** Adds a sixth row above the fifth. The pattern is identical to Timeline 1.

The dots in each row represent the state of a cell at a specific time step. The pattern of dots changes over time, indicating the evolution of the cellular automaton. The horizontal axis represents the spatial dimension, and the vertical axis represents the temporal dimension.

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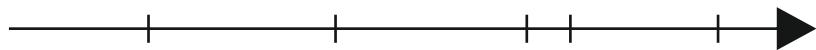


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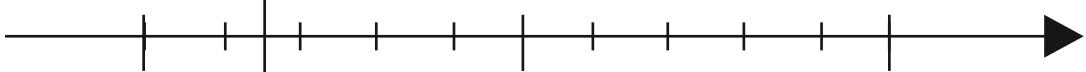
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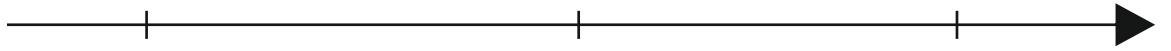
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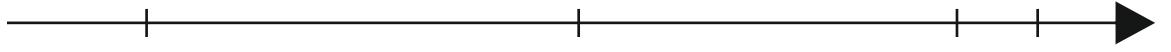


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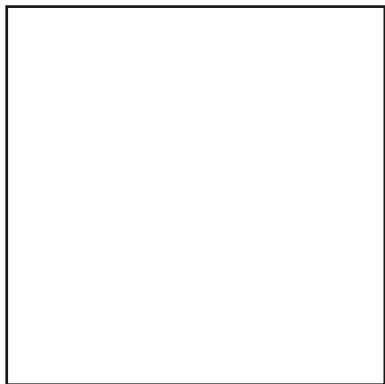


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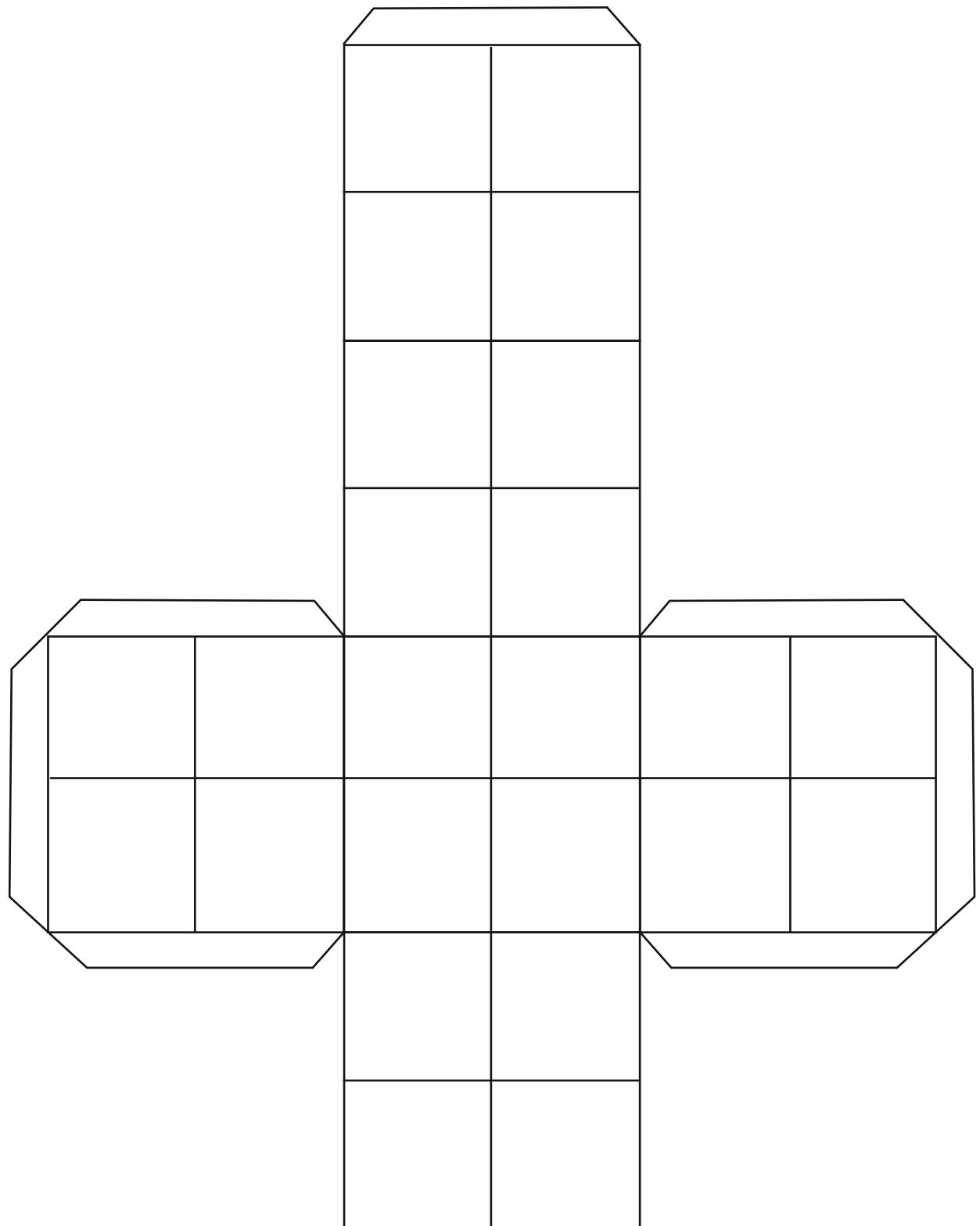
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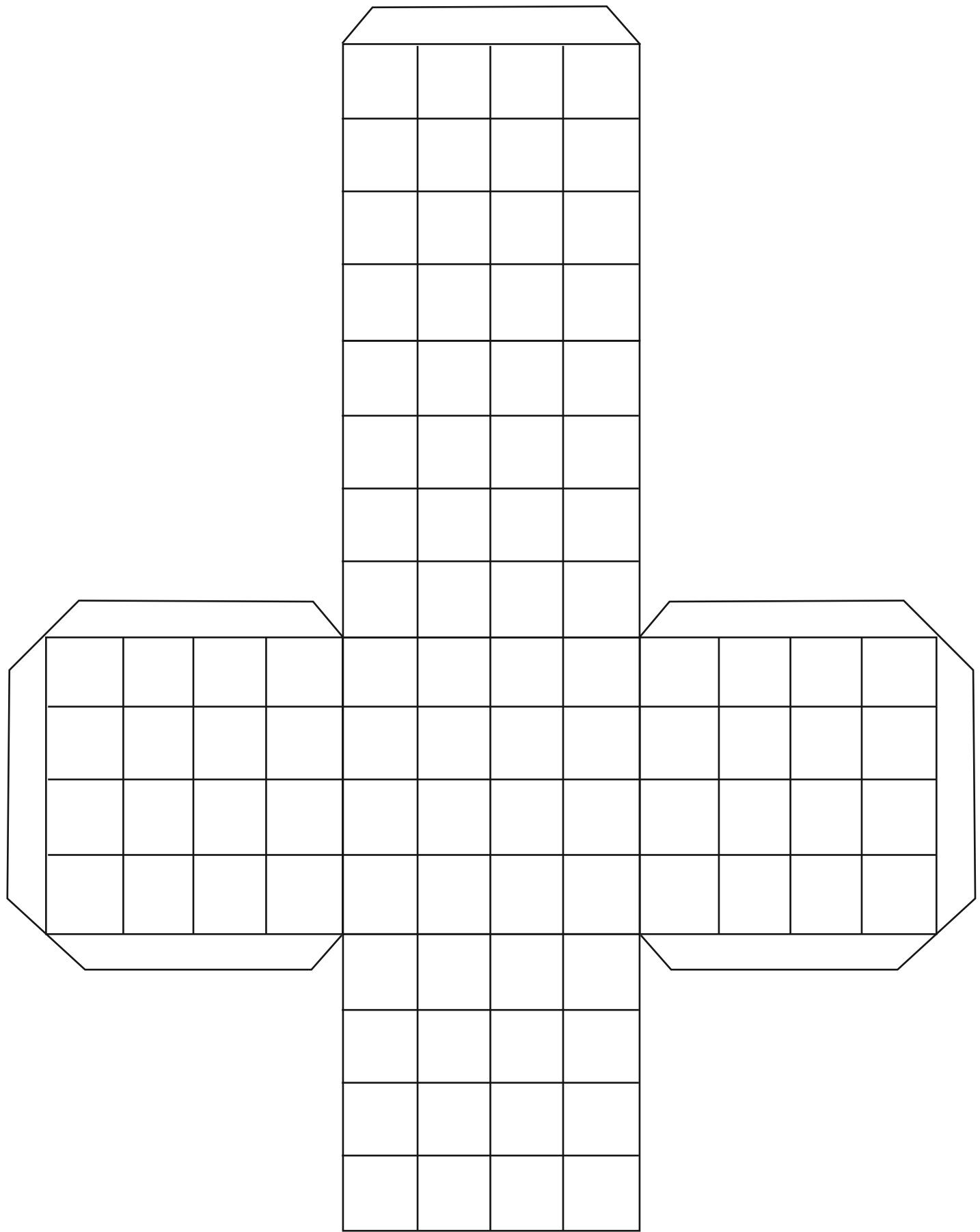
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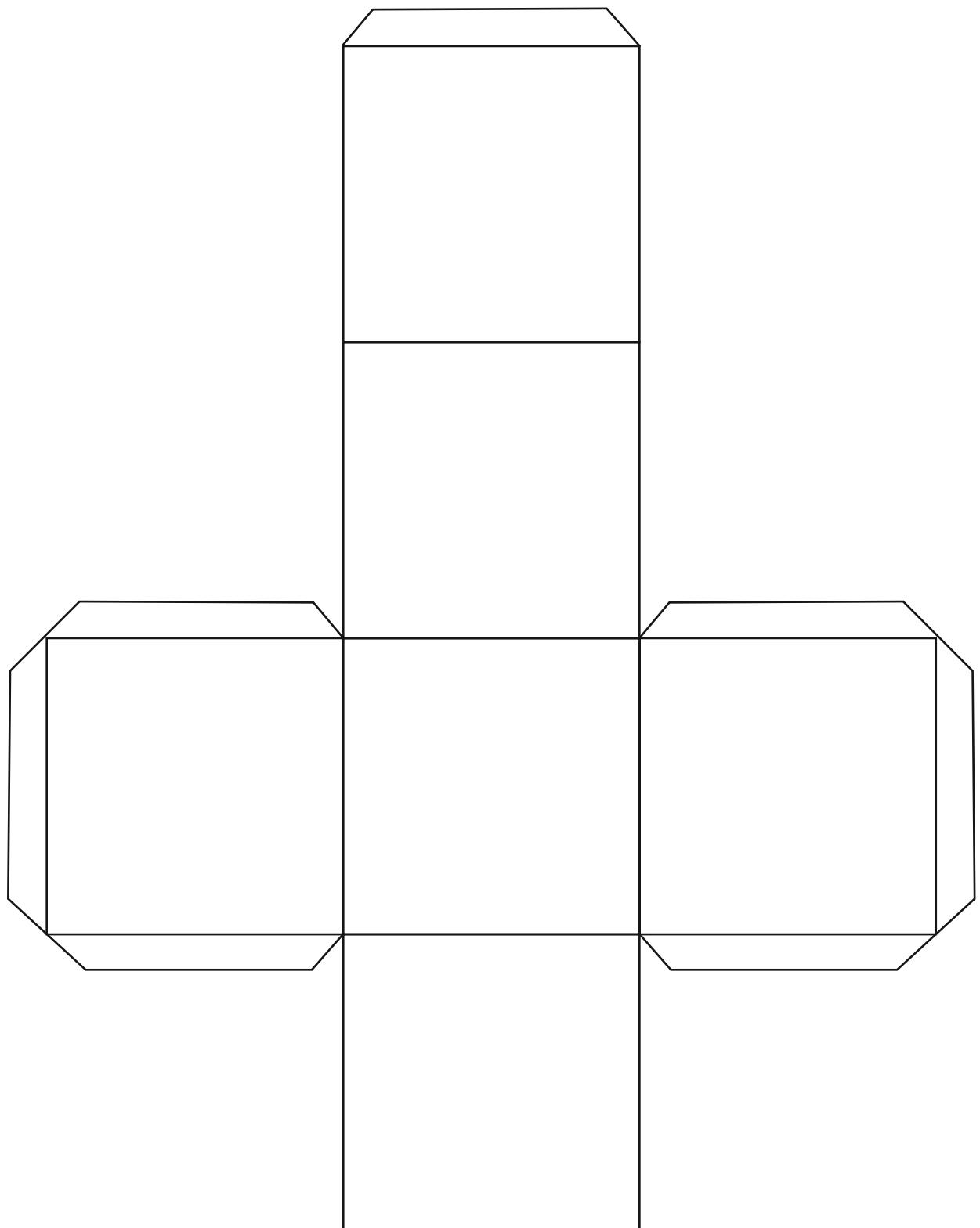


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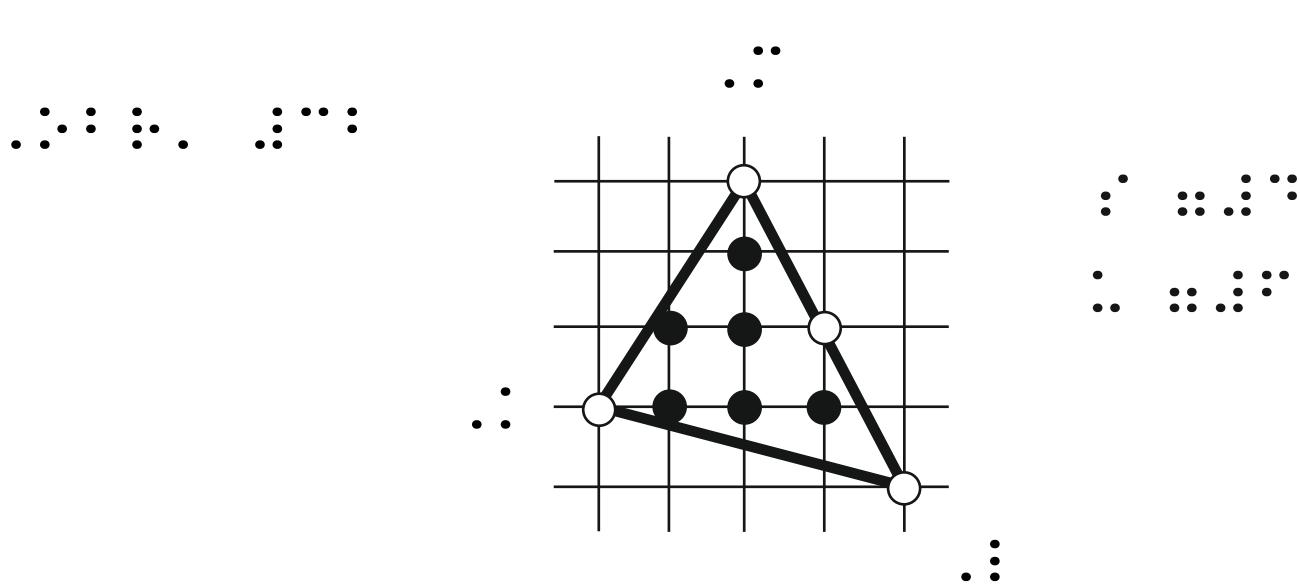
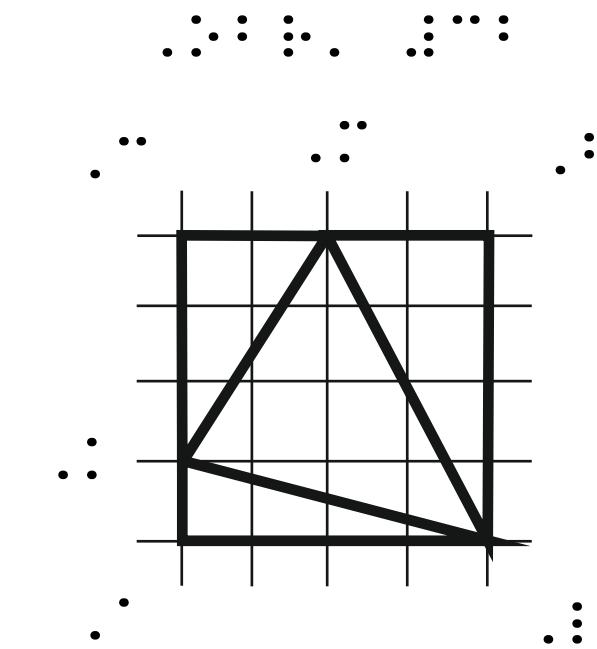
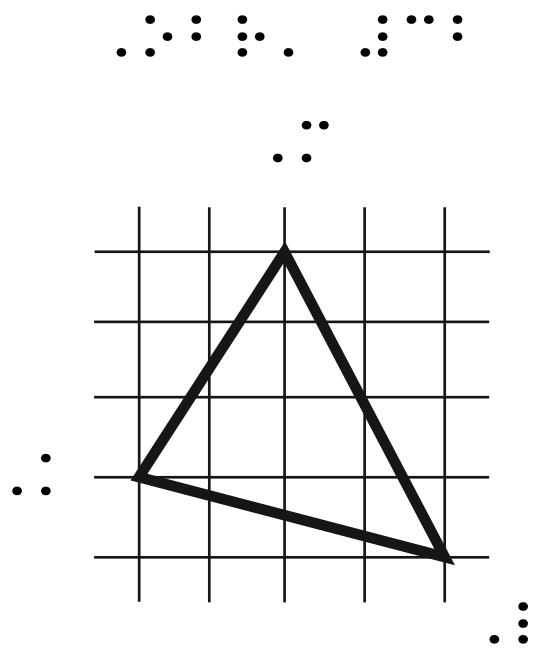
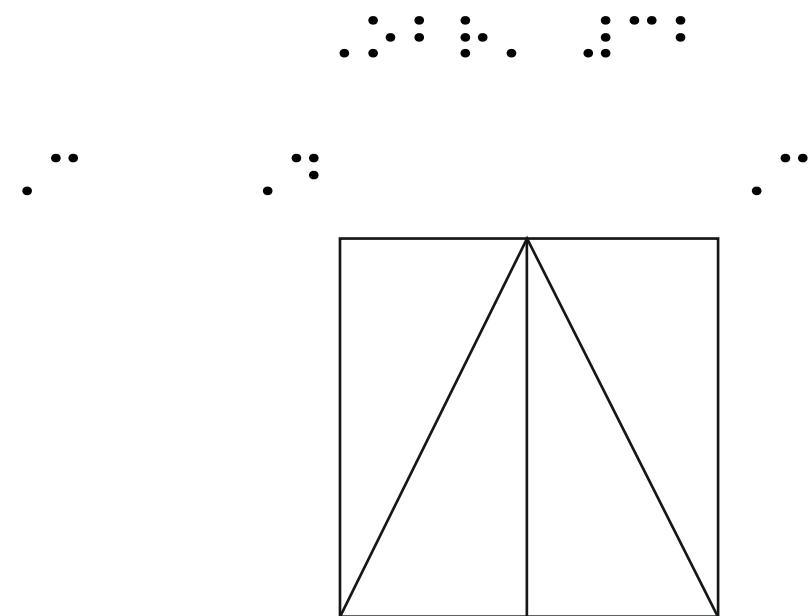
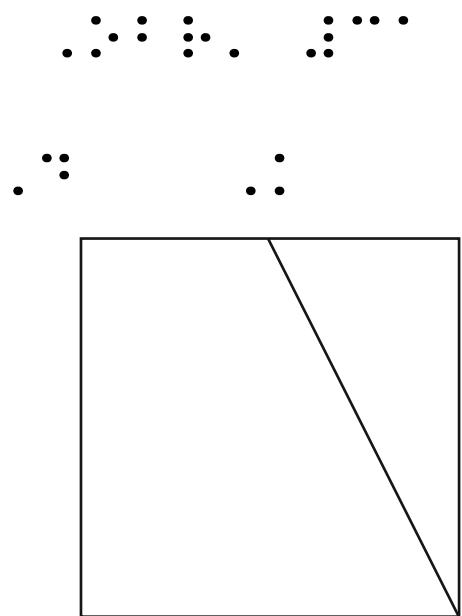
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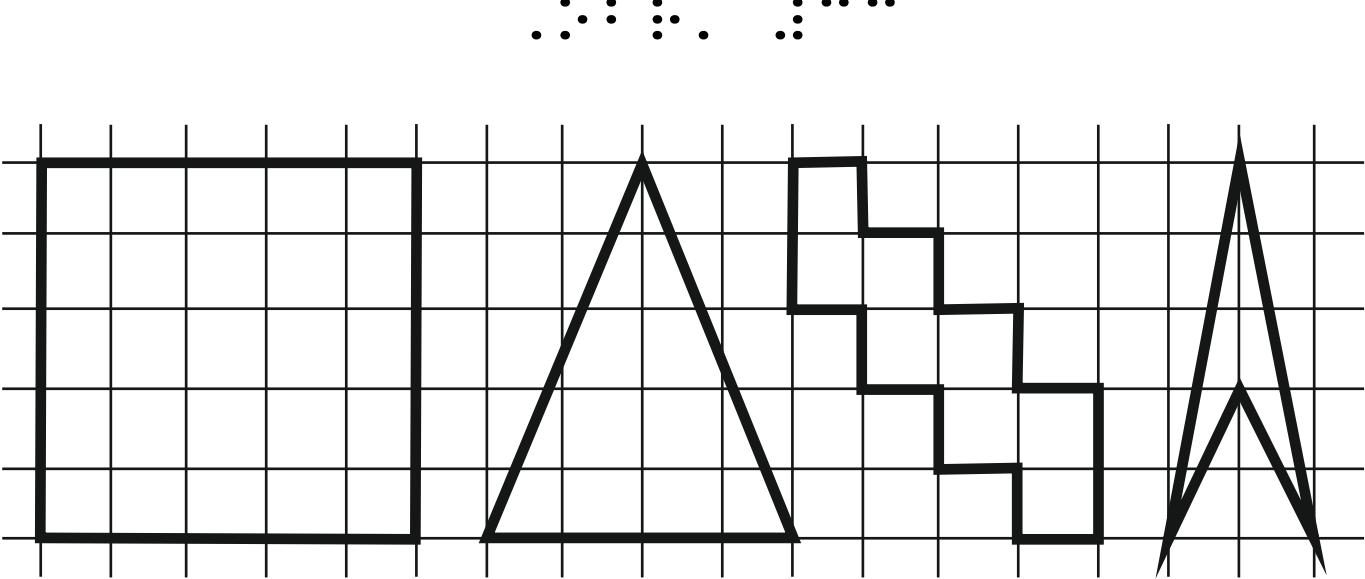


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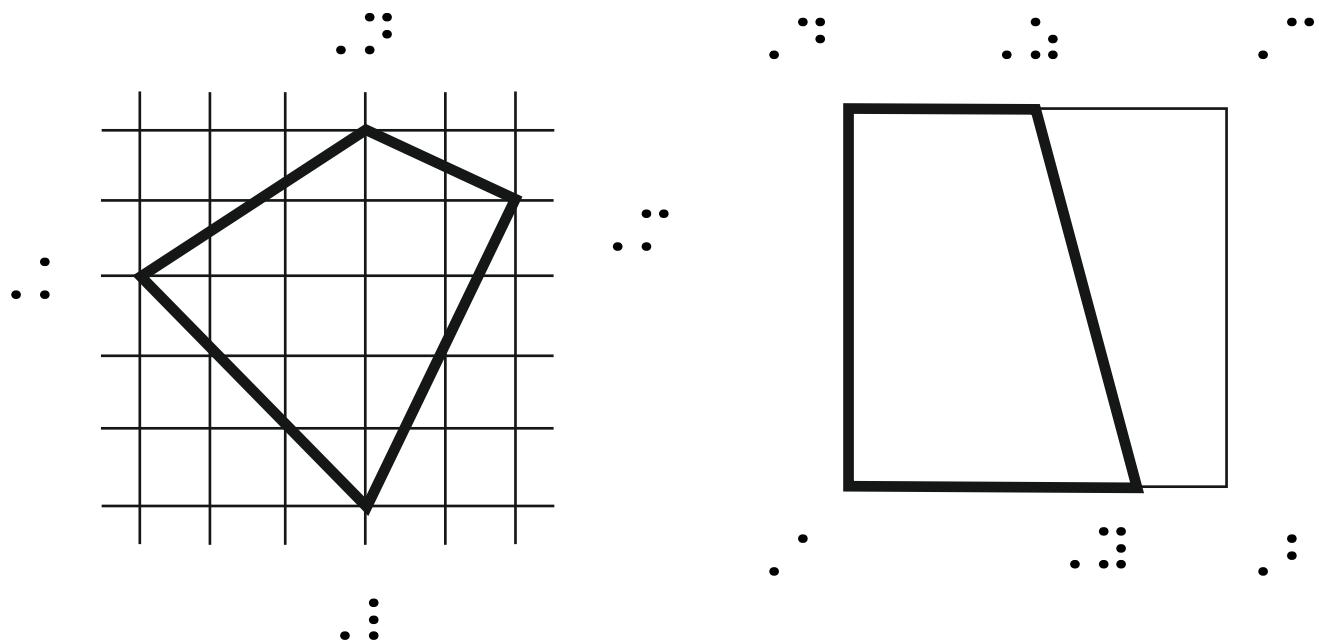
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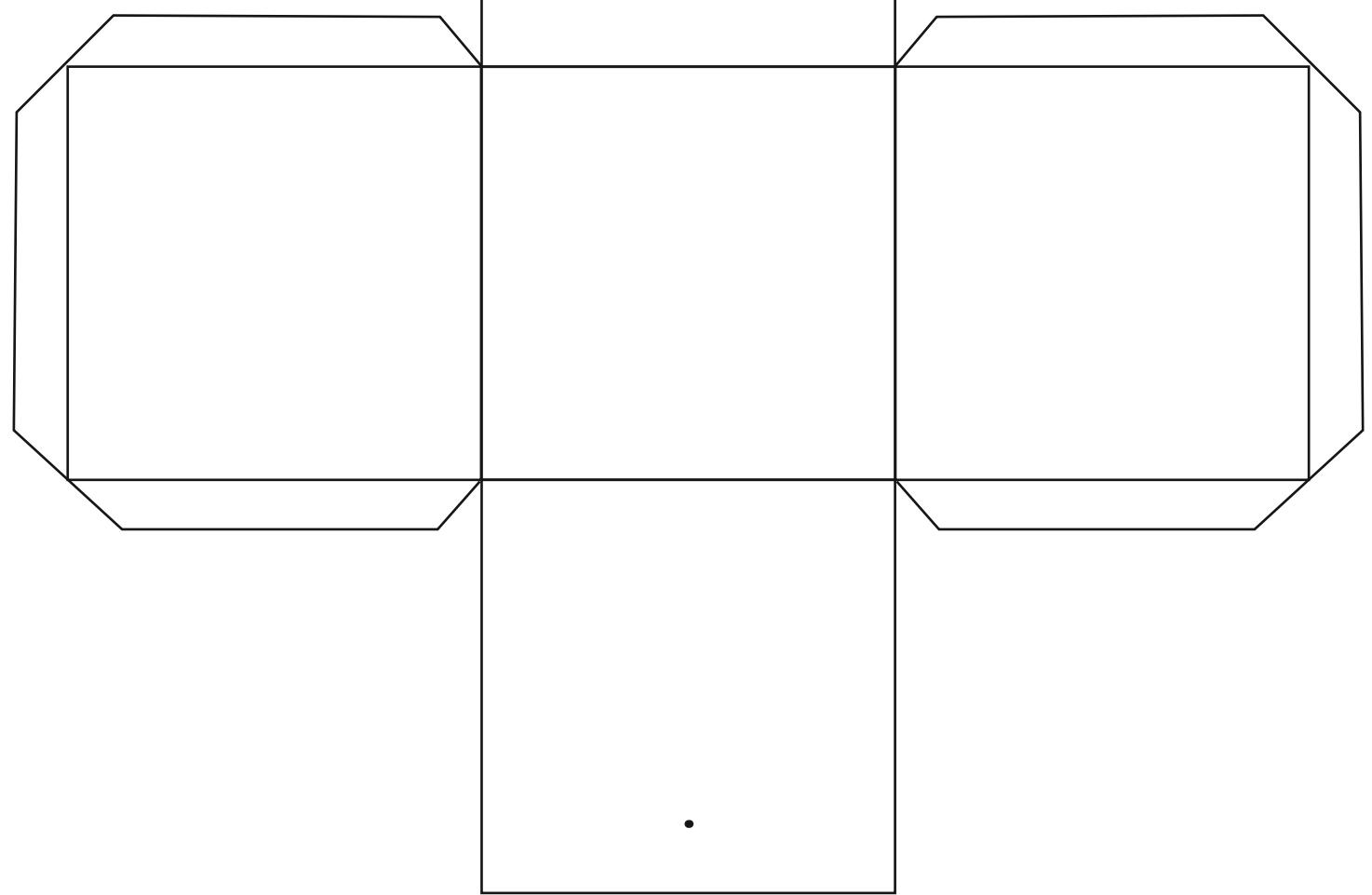


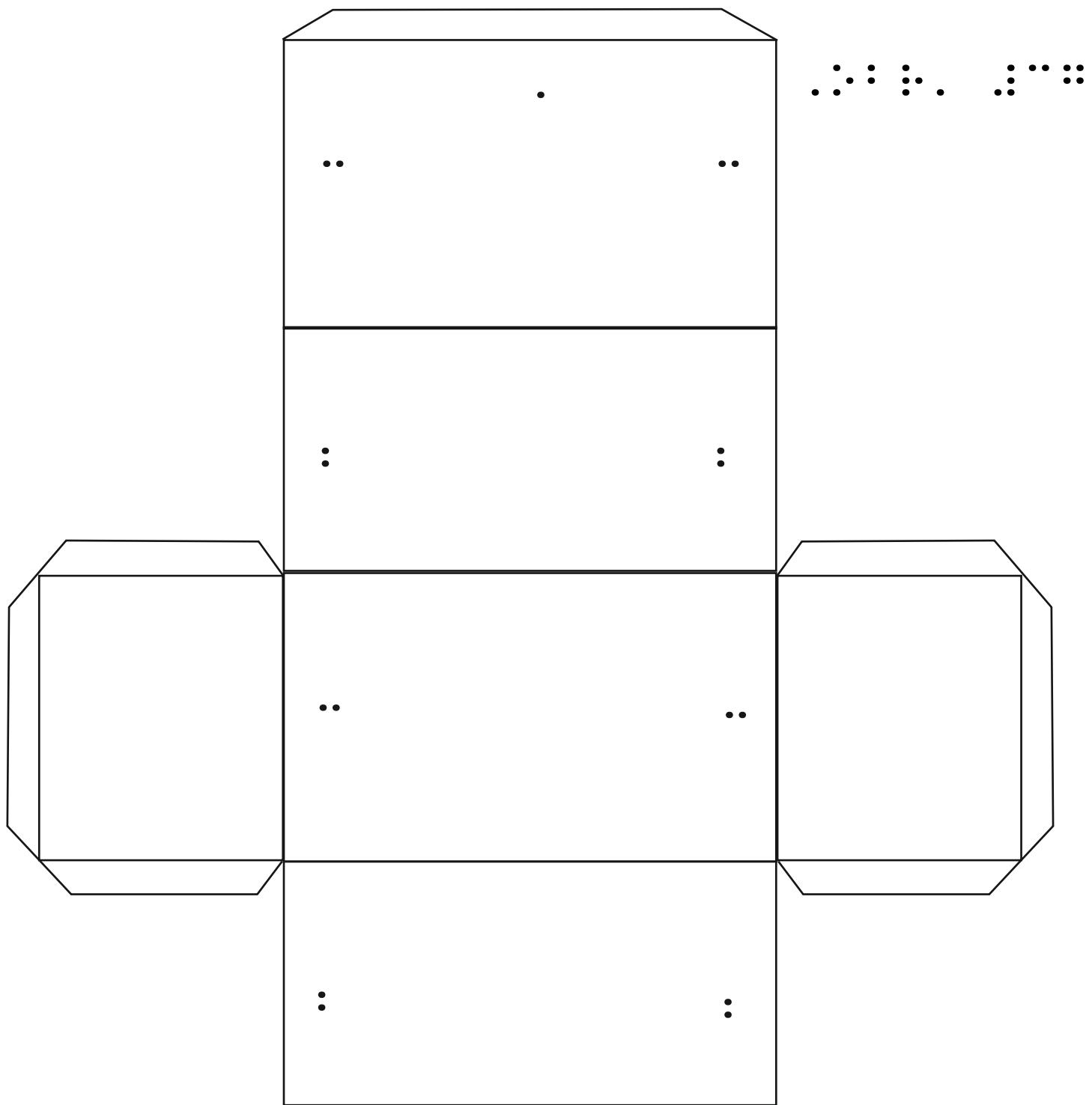
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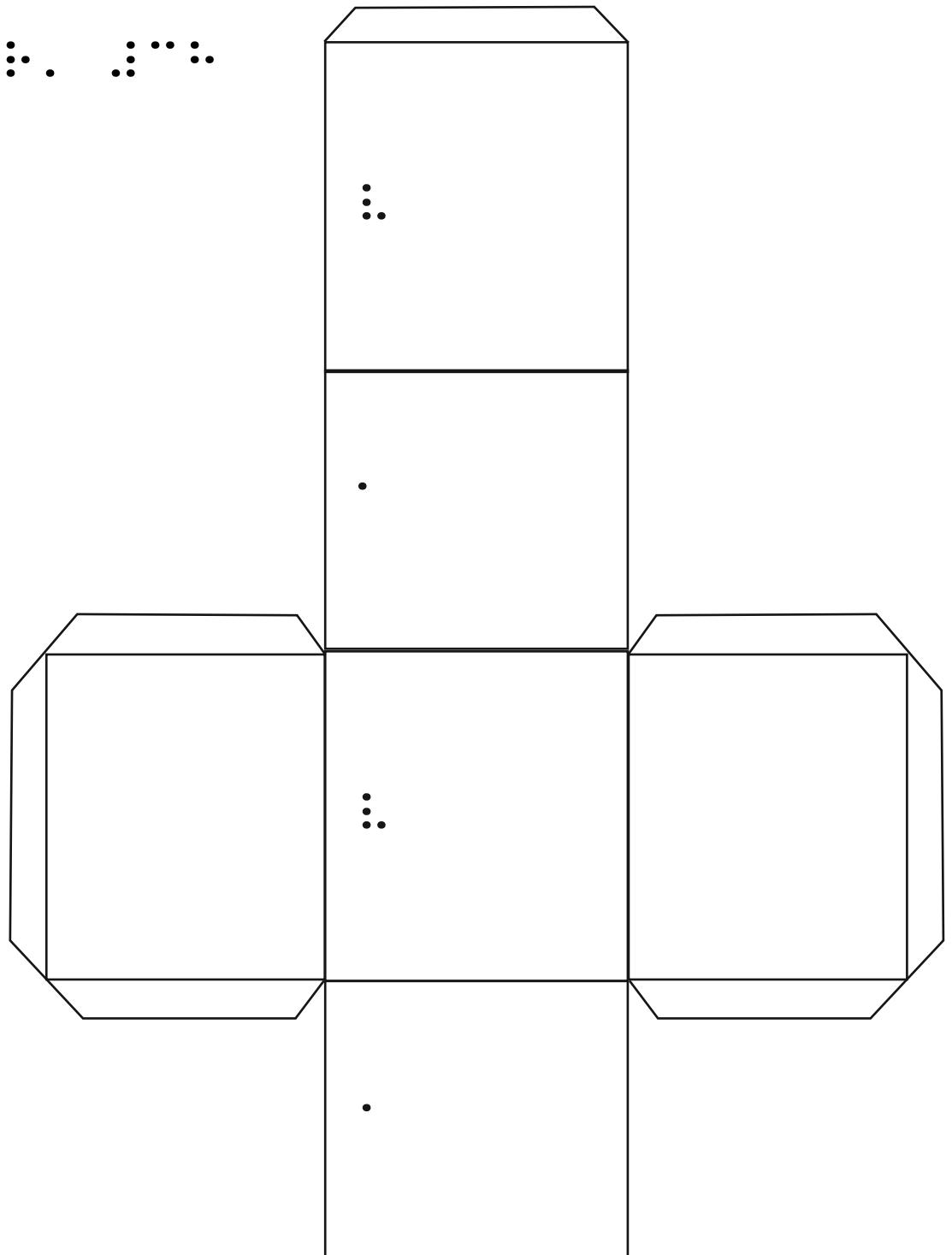


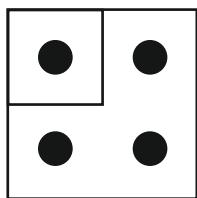
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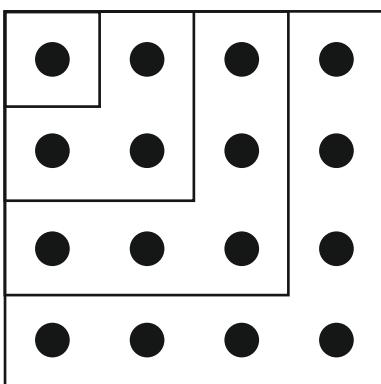
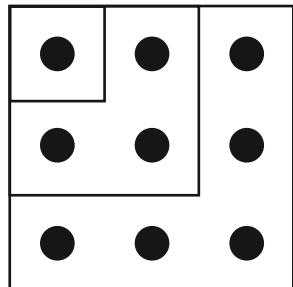


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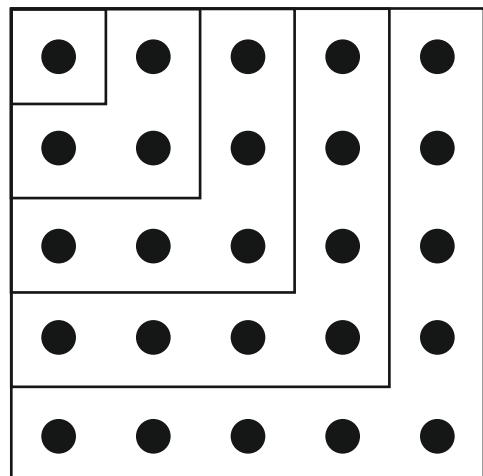




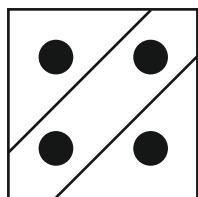
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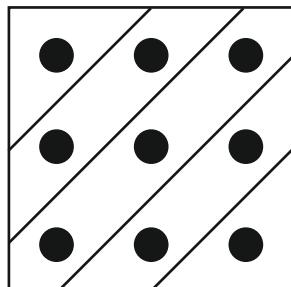
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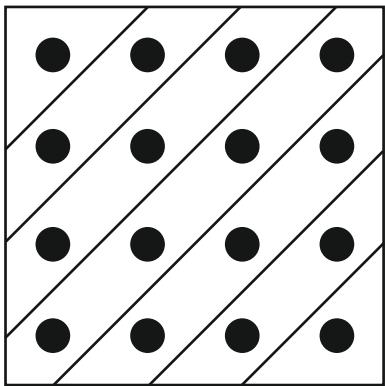
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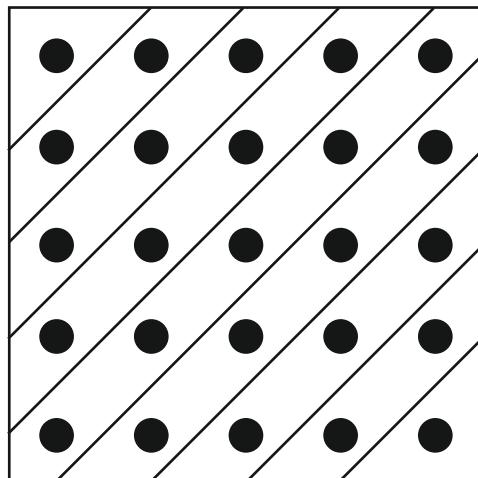
The image shows a horizontal sequence of four distinct groups of black dots. Each group consists of three dots arranged in a triangular pattern: one dot at the top, two dots at the bottom left and right. The groups are separated by small gaps, suggesting a digital or sequential signal.



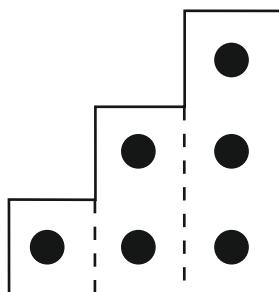
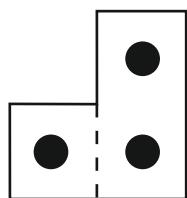
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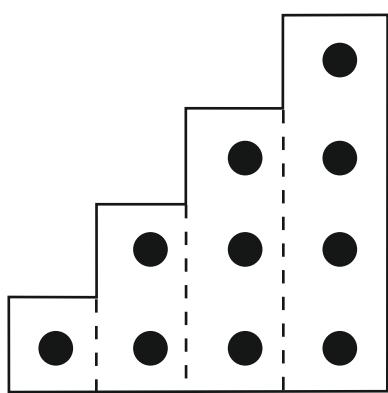
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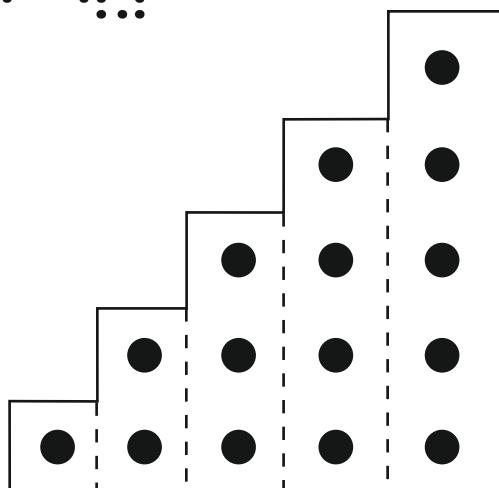
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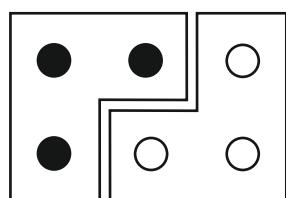
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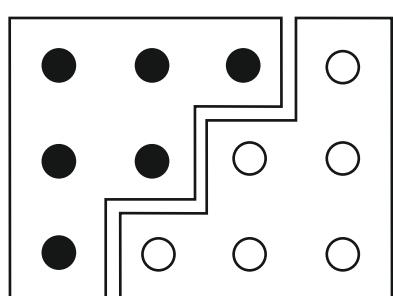
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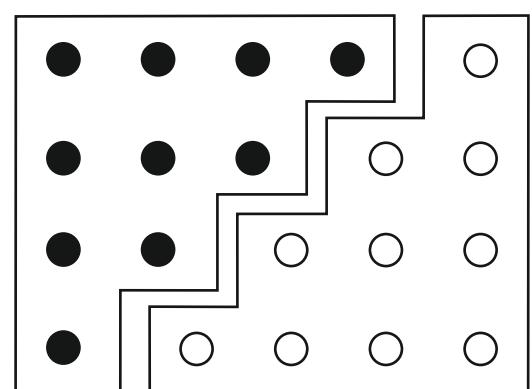
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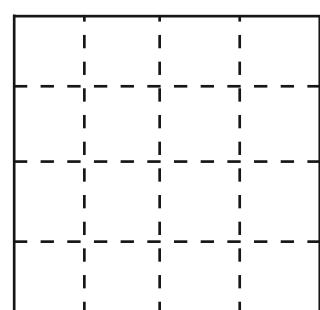
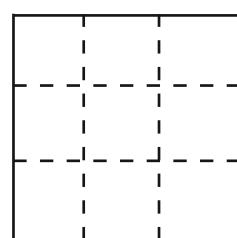
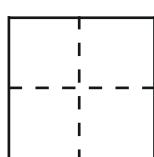
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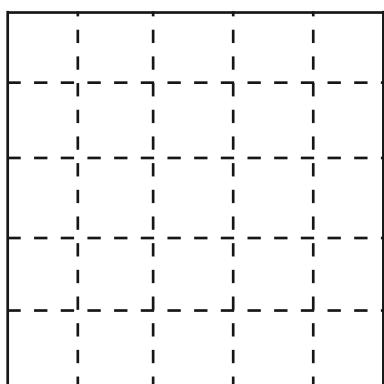


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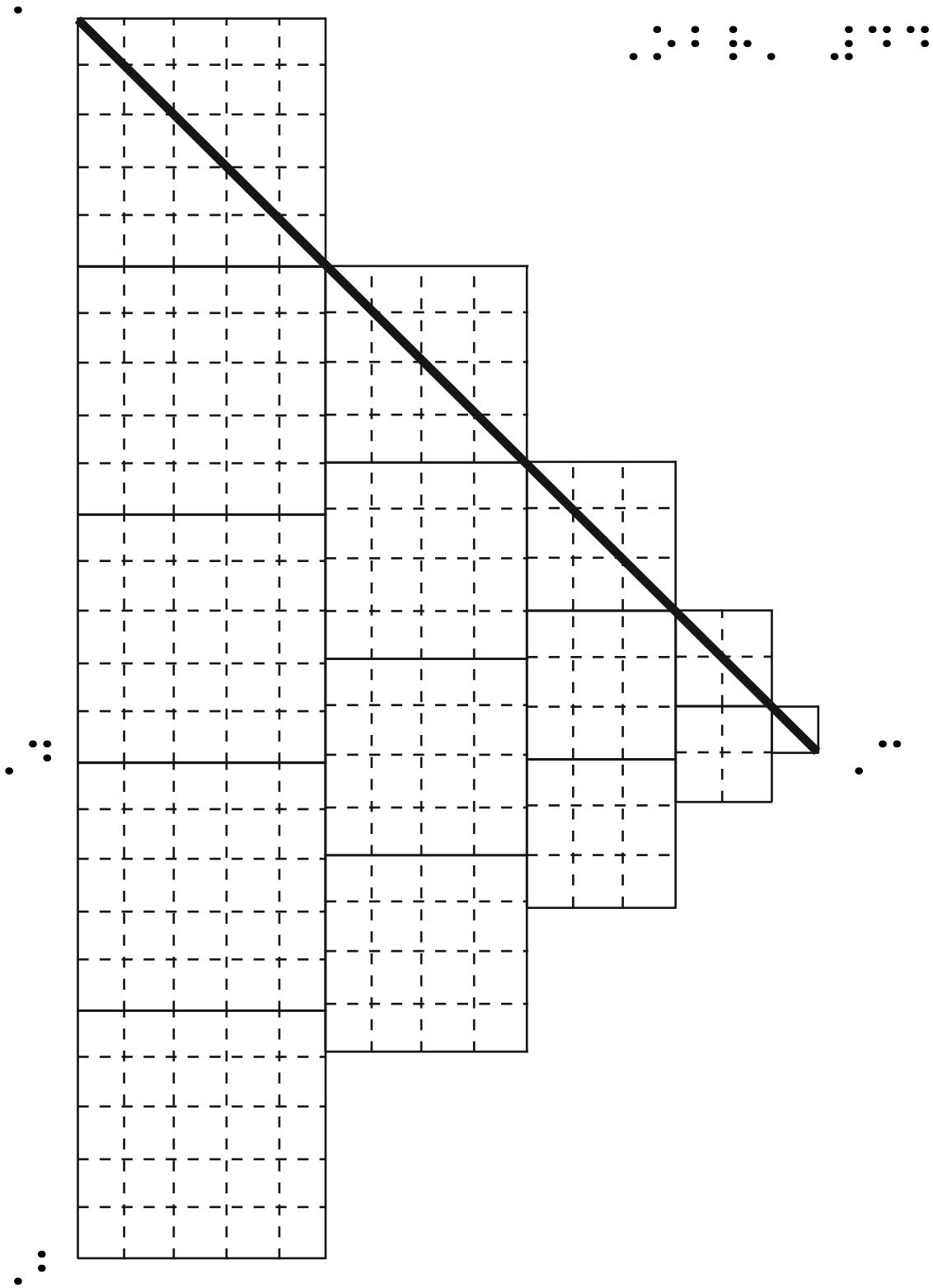
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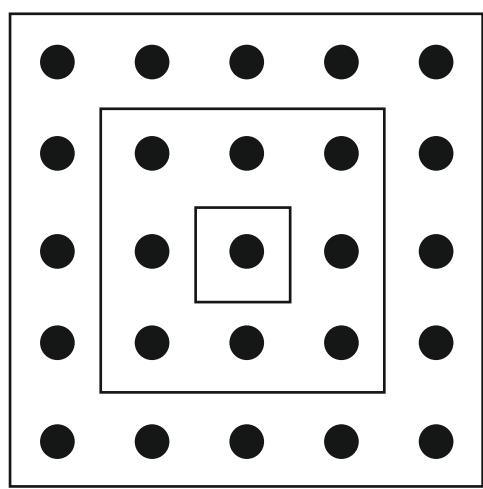
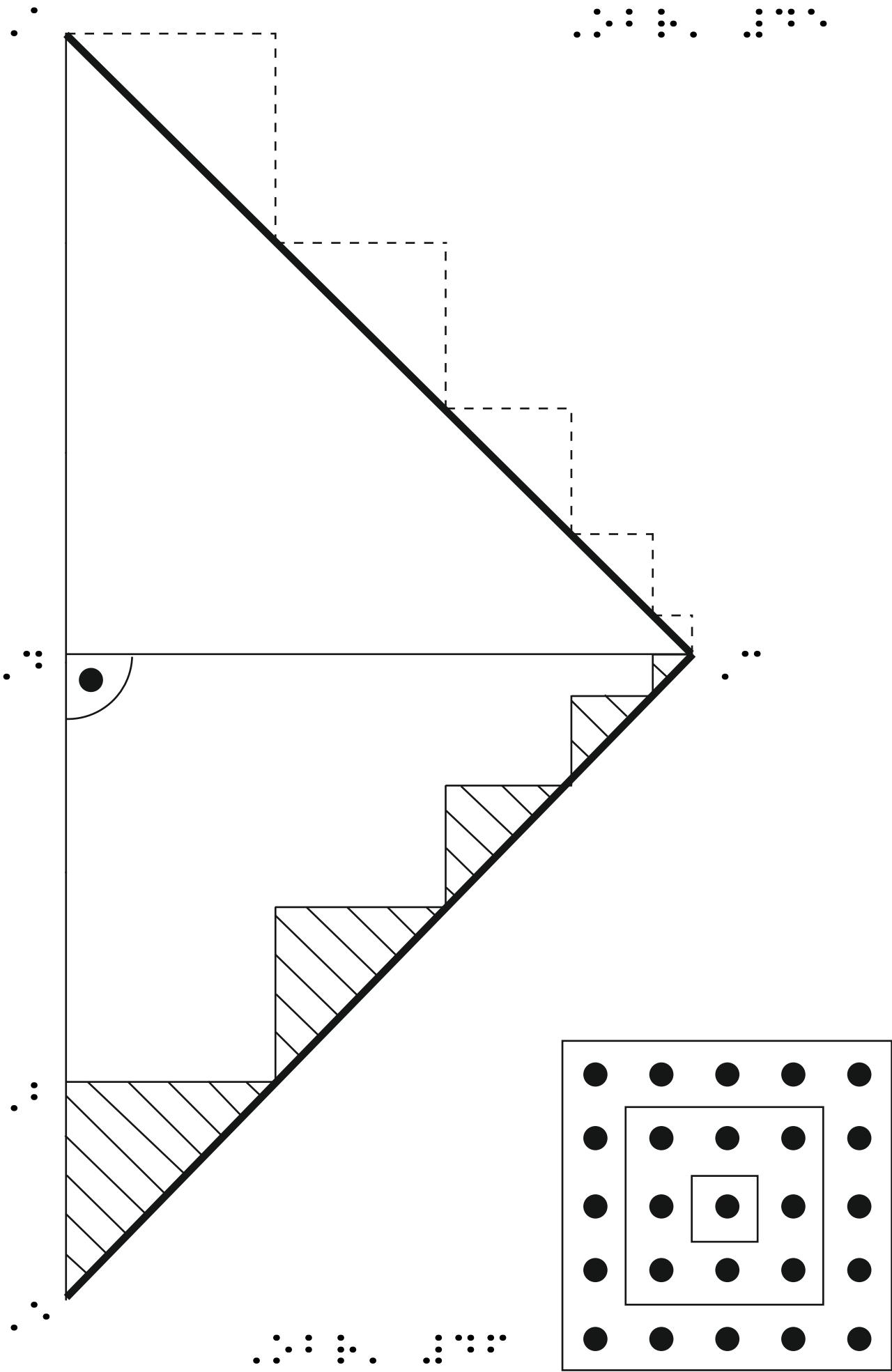
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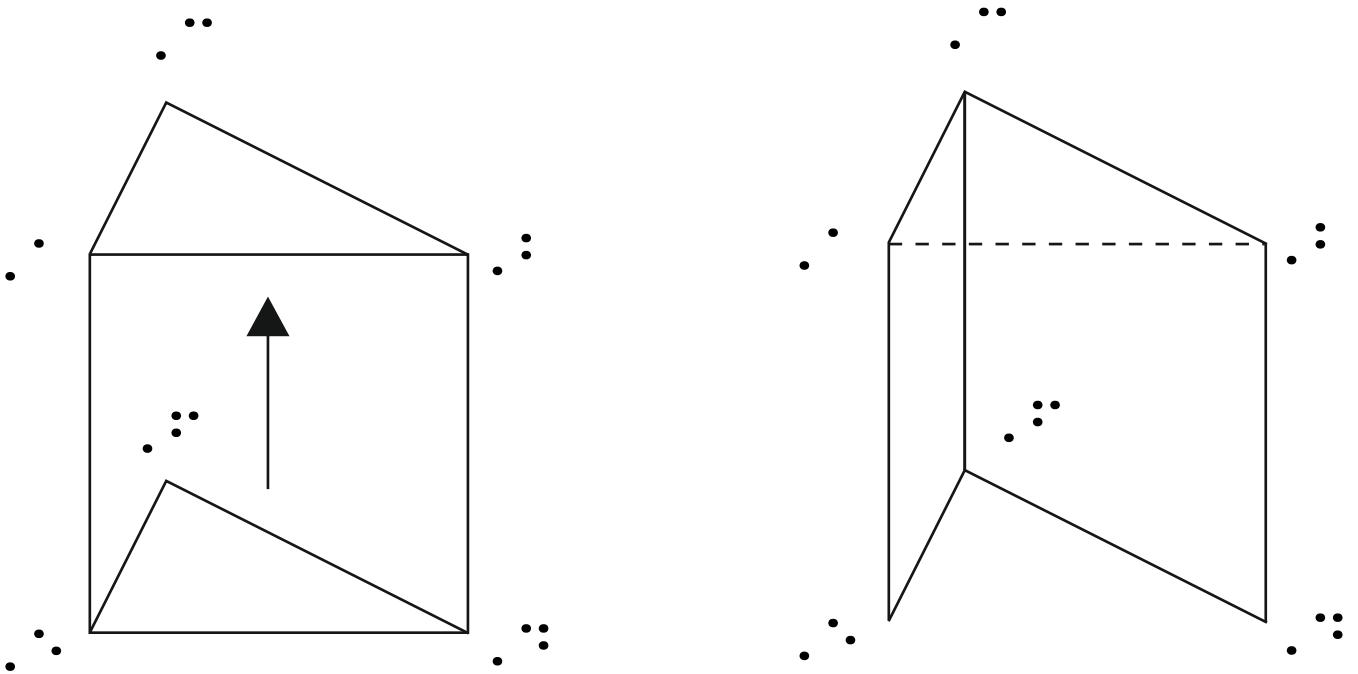
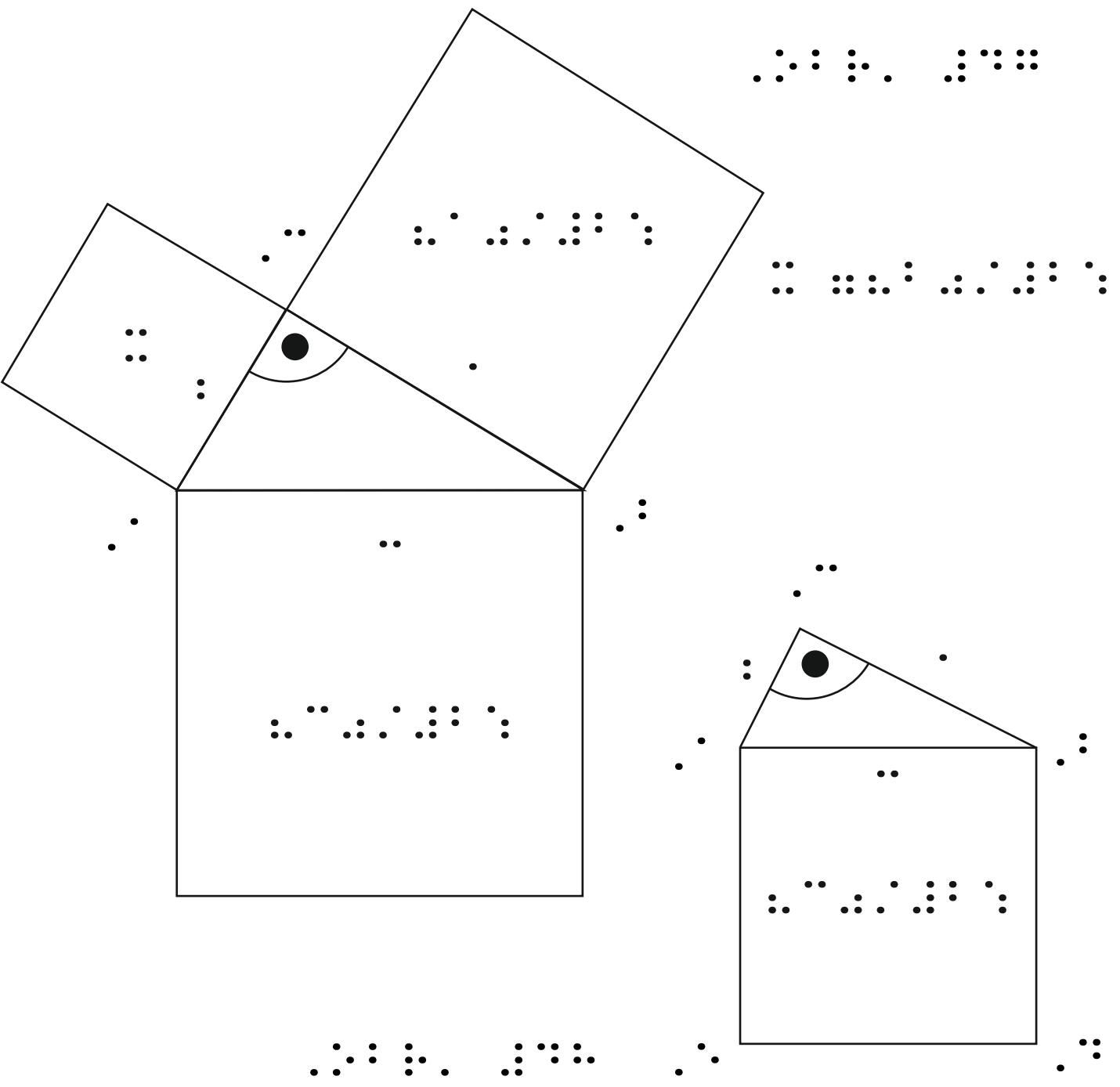
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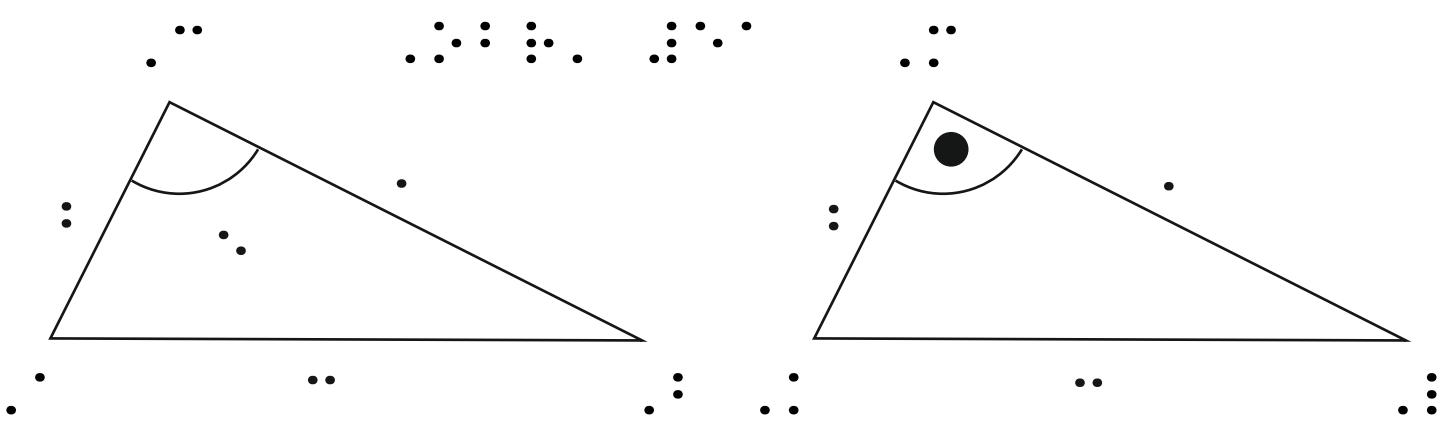
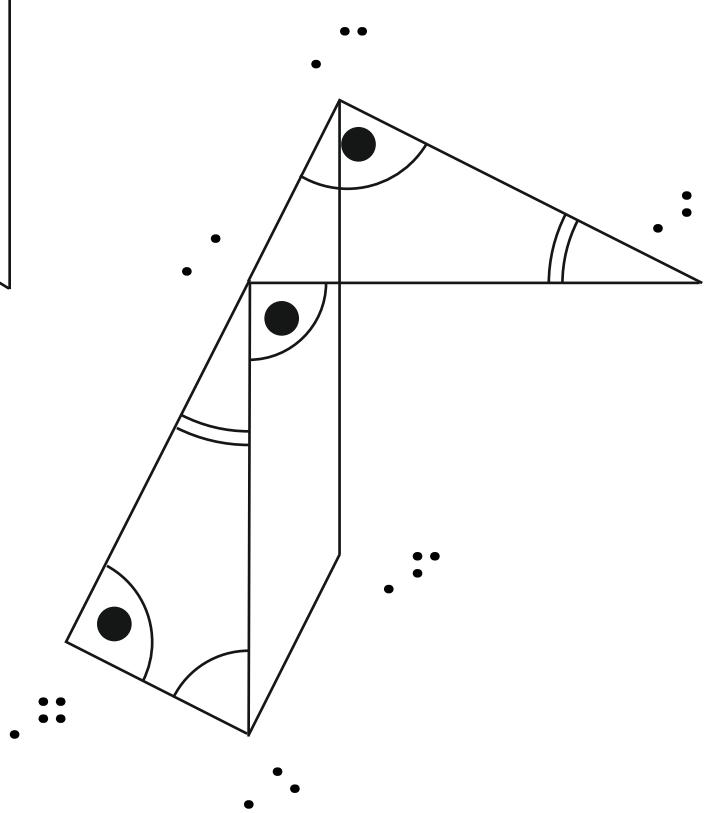
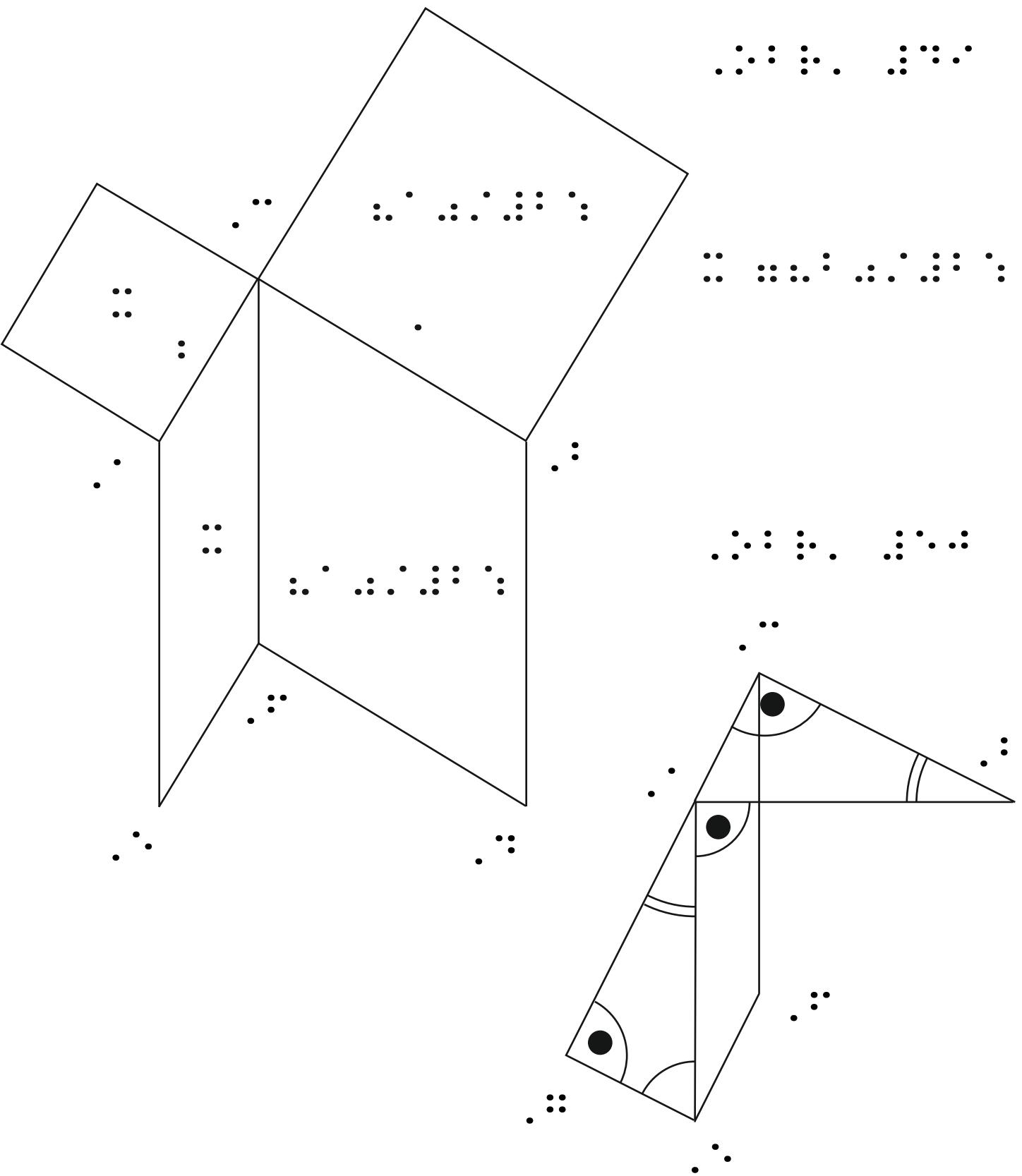


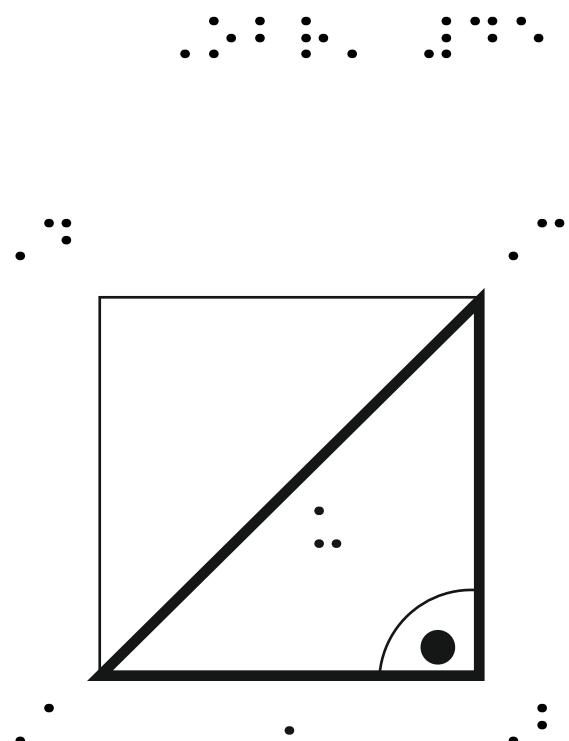
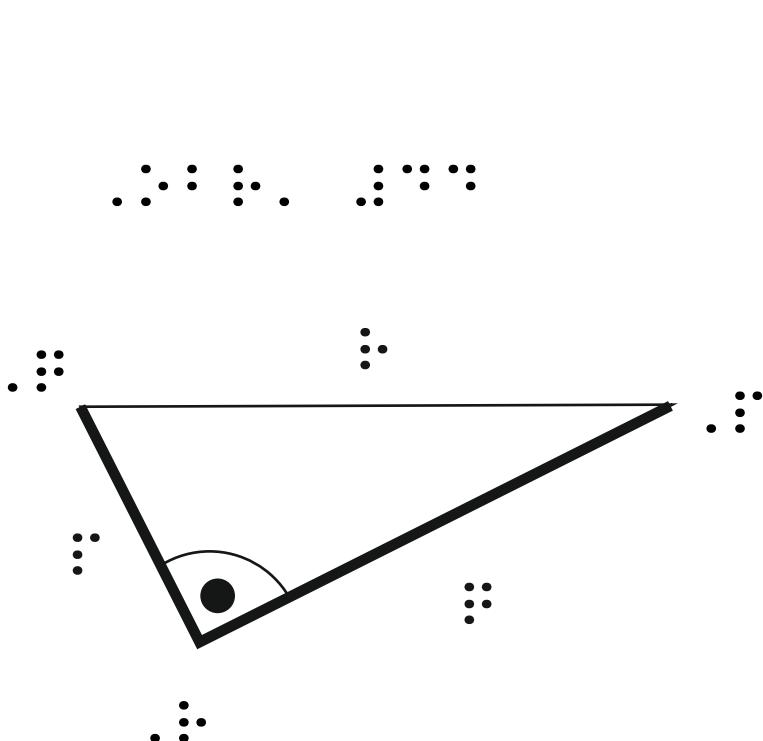
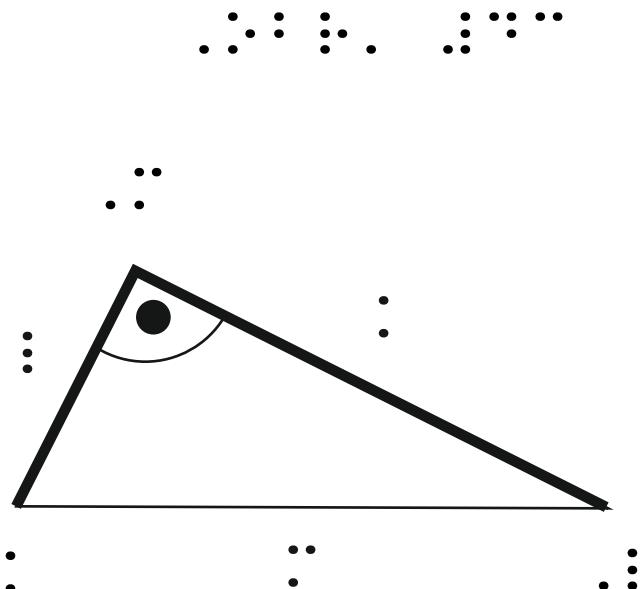
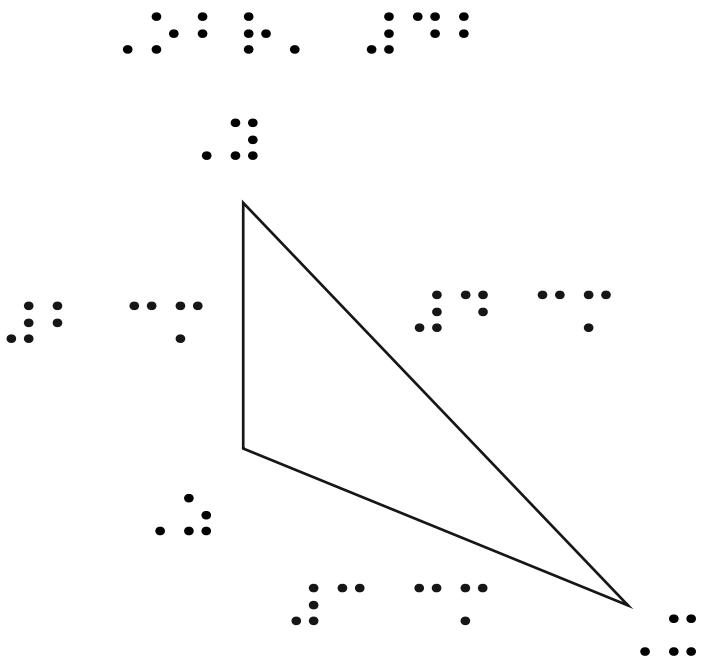
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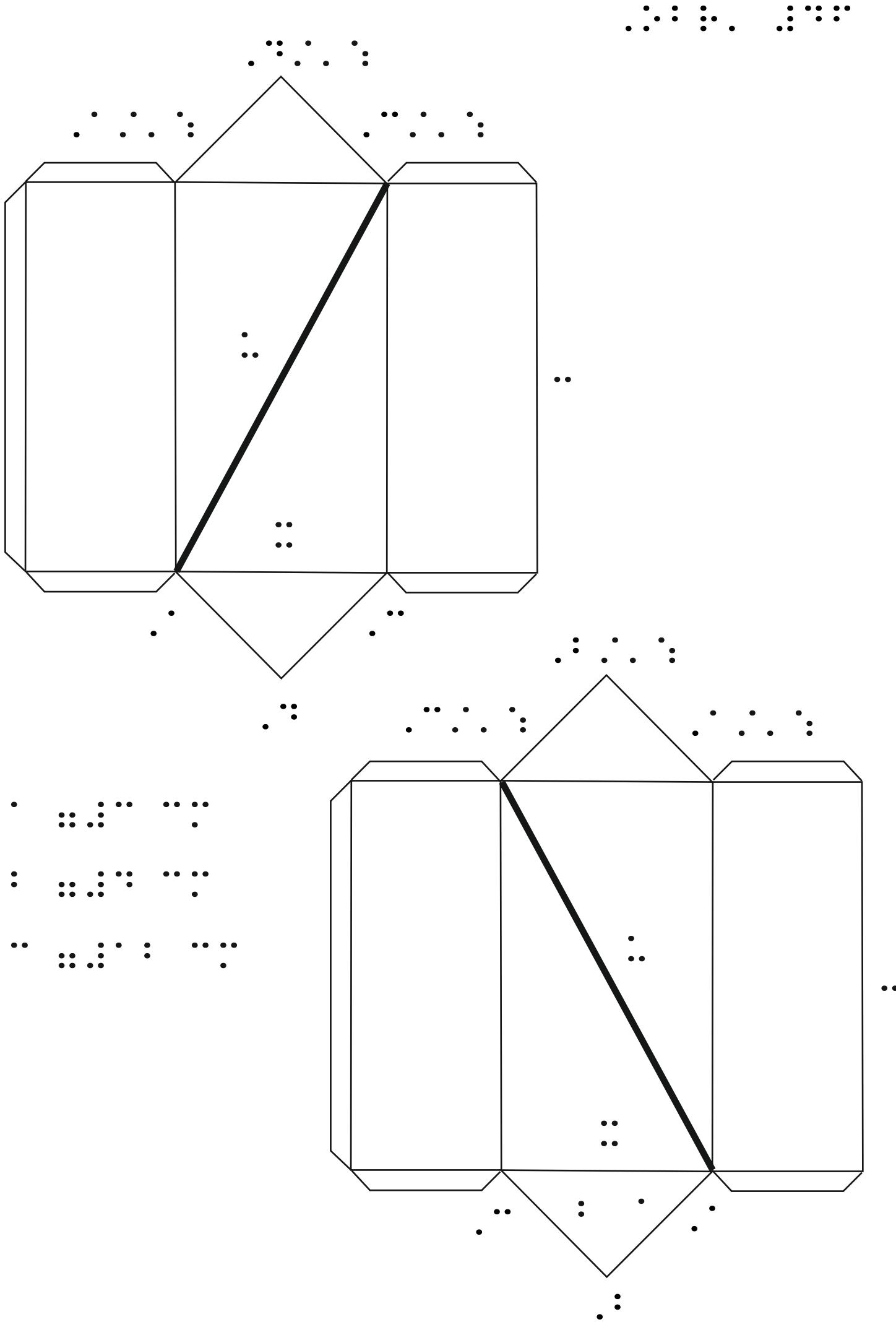


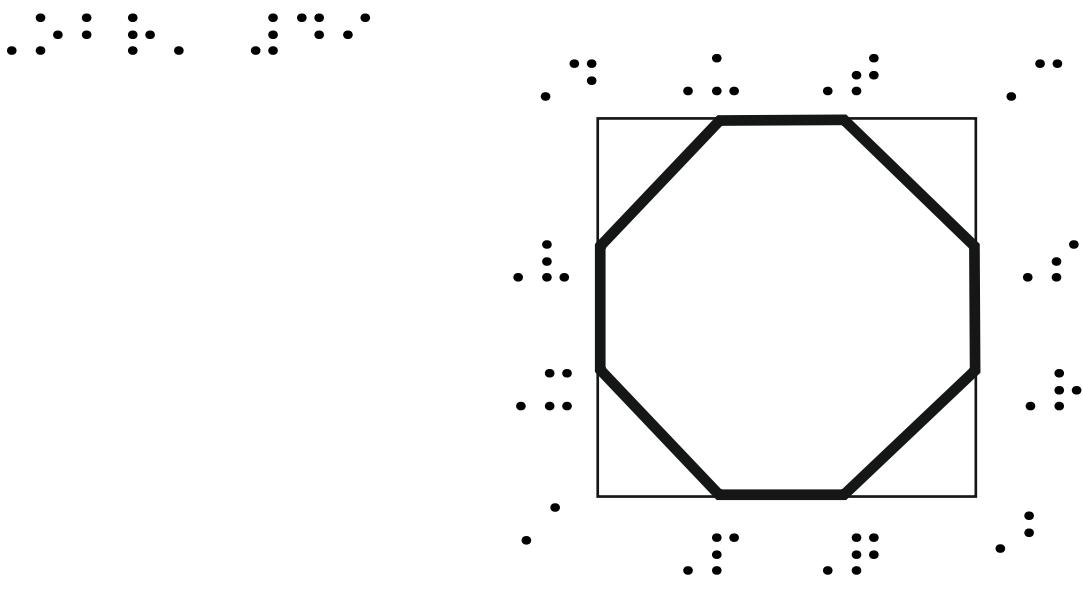
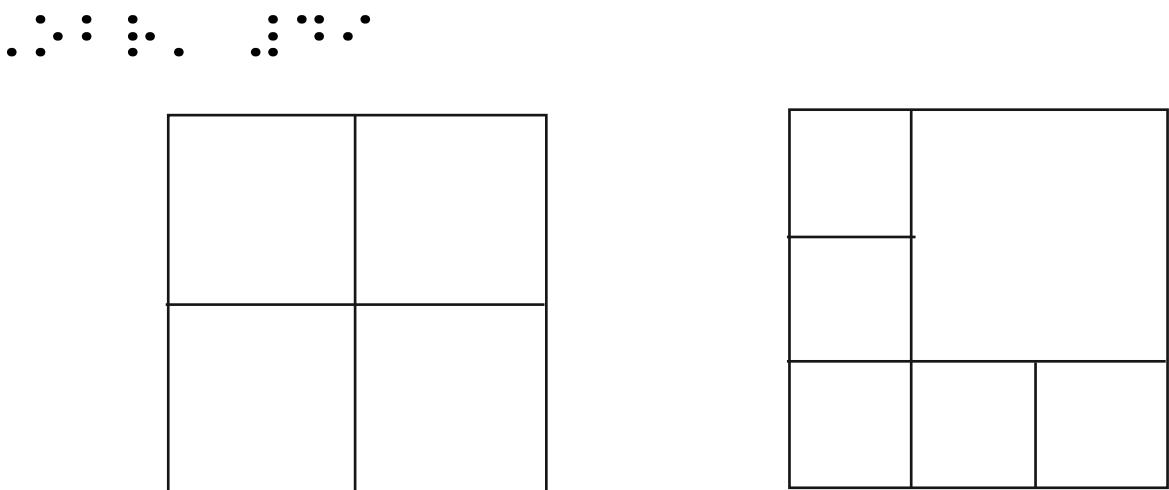
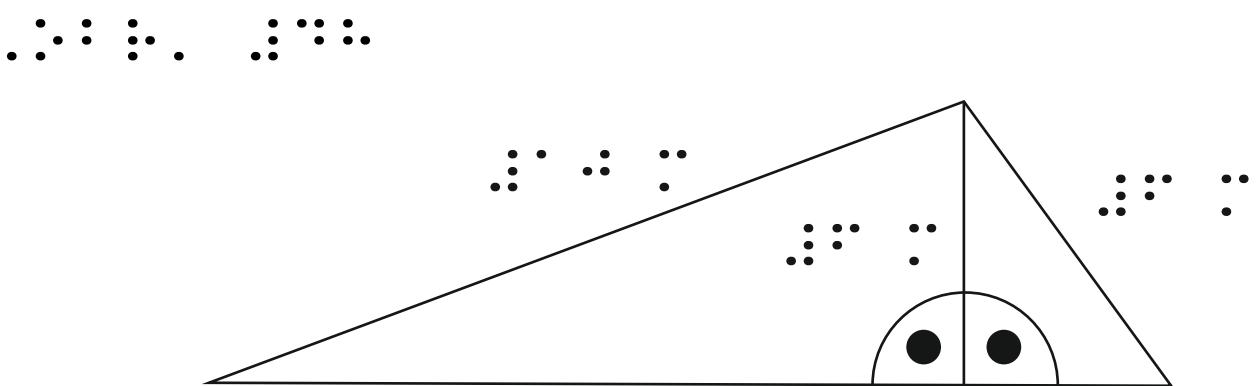
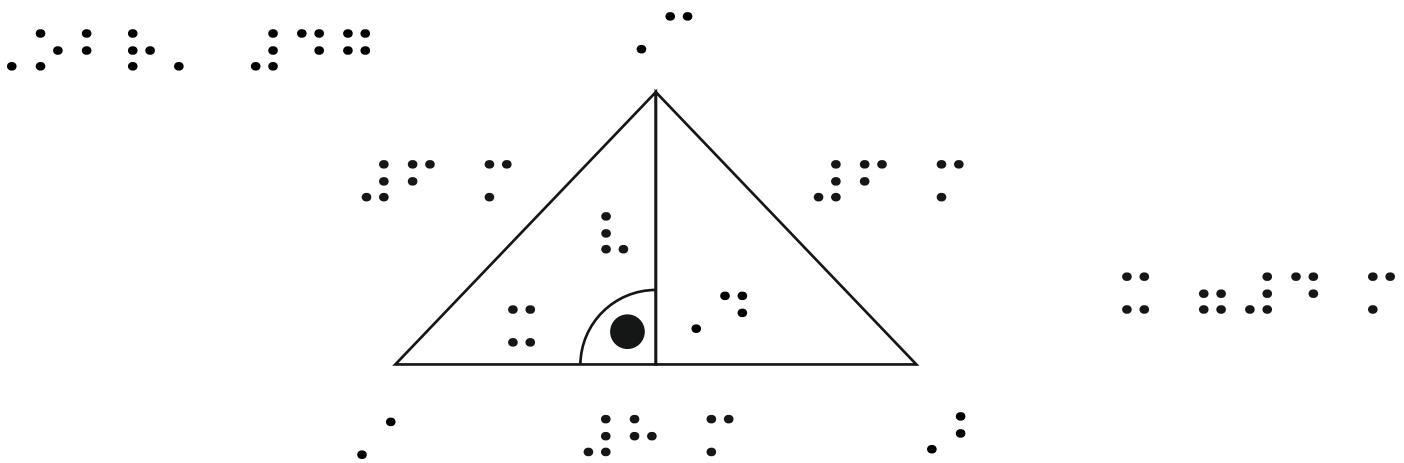




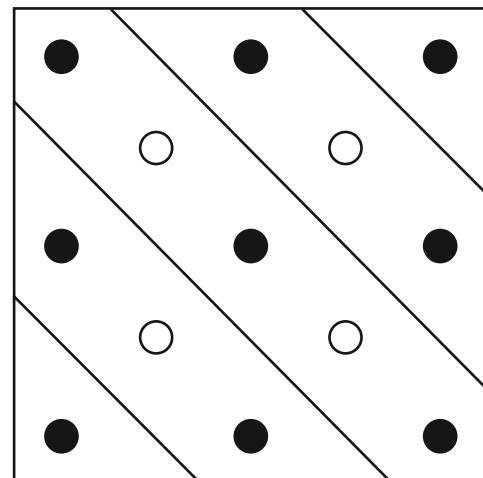
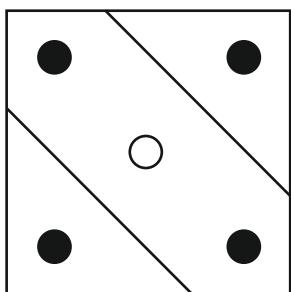






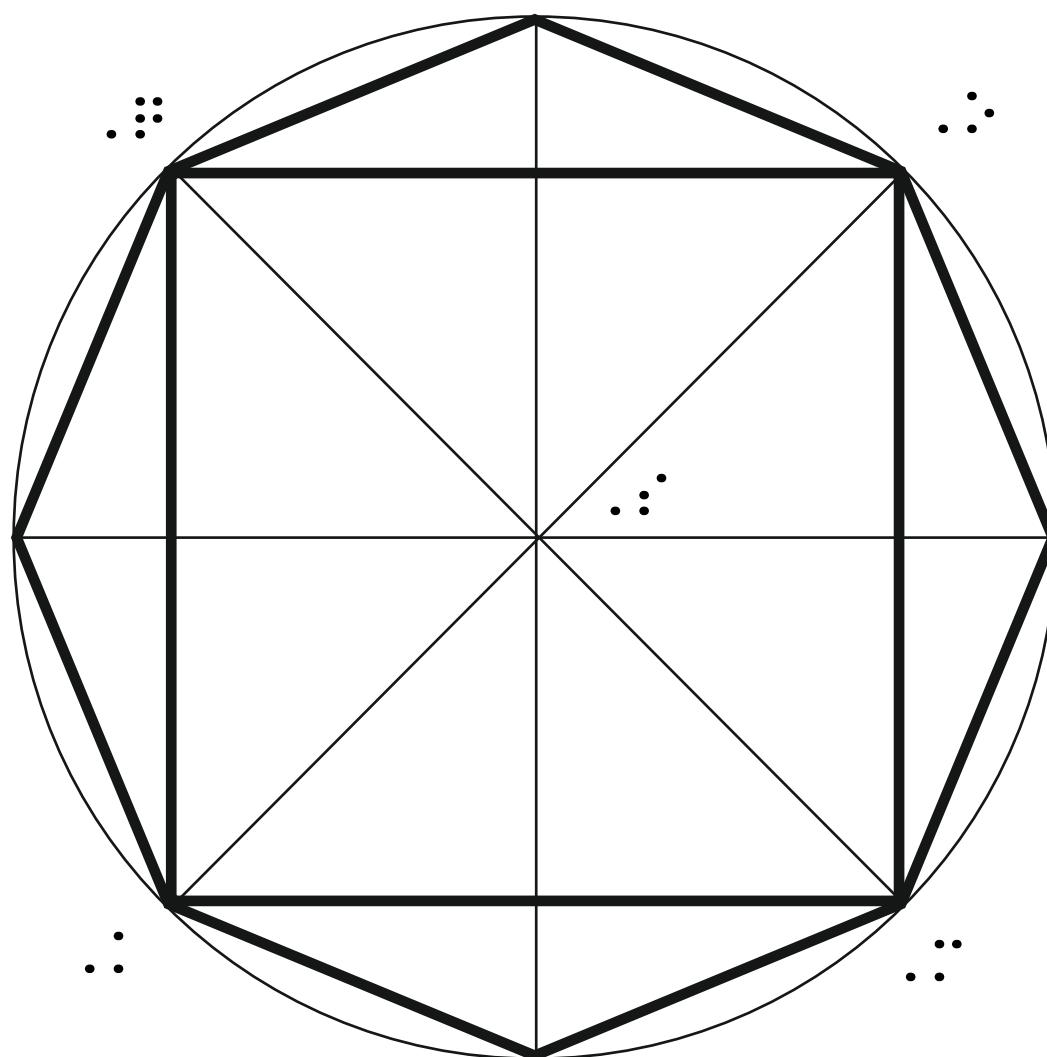


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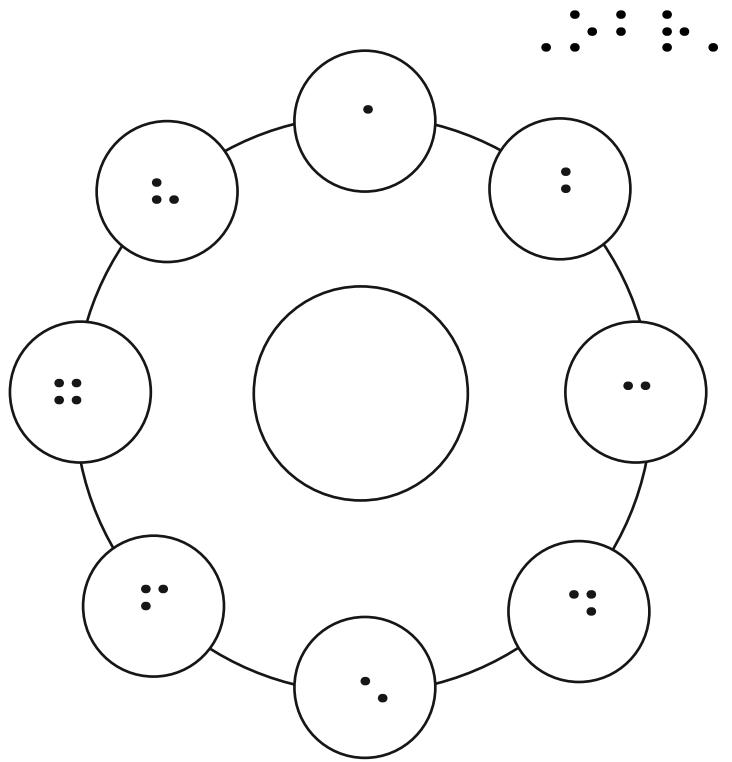


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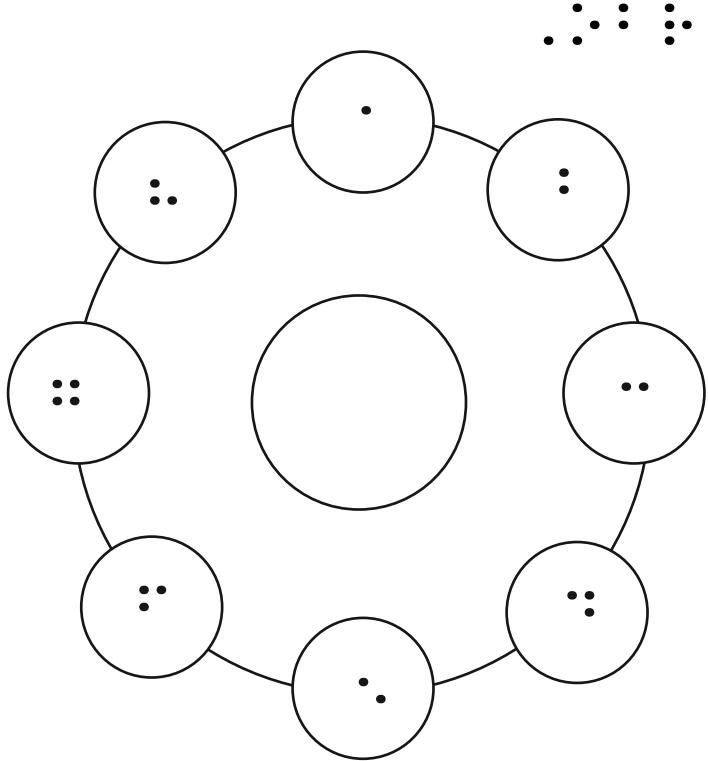
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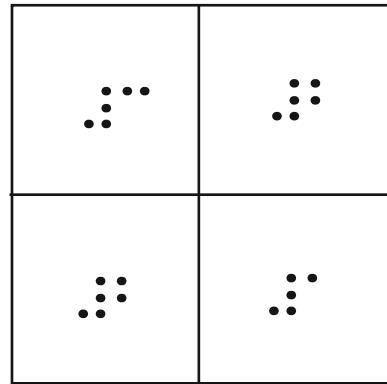
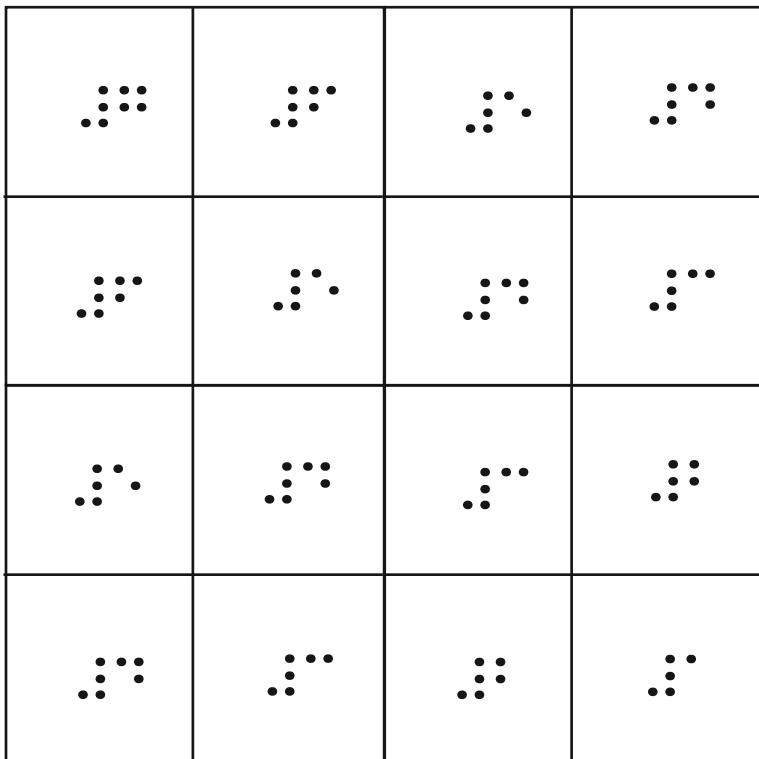
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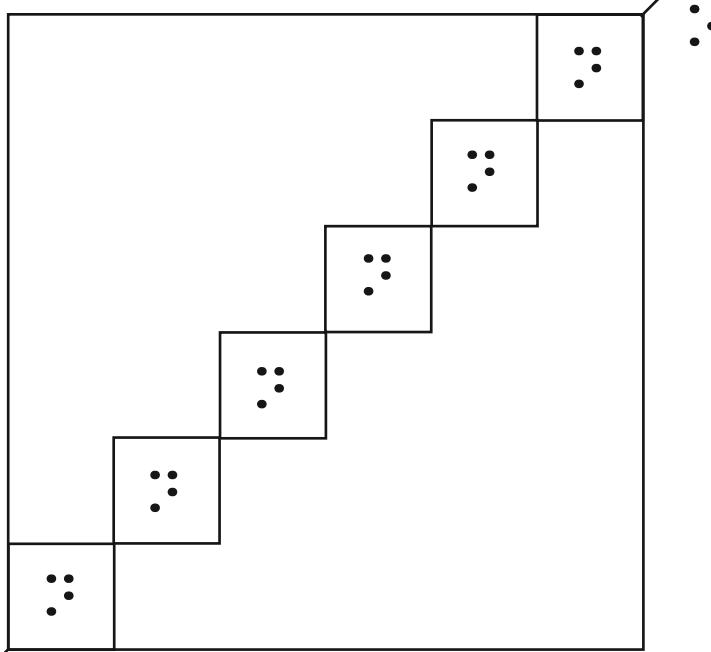
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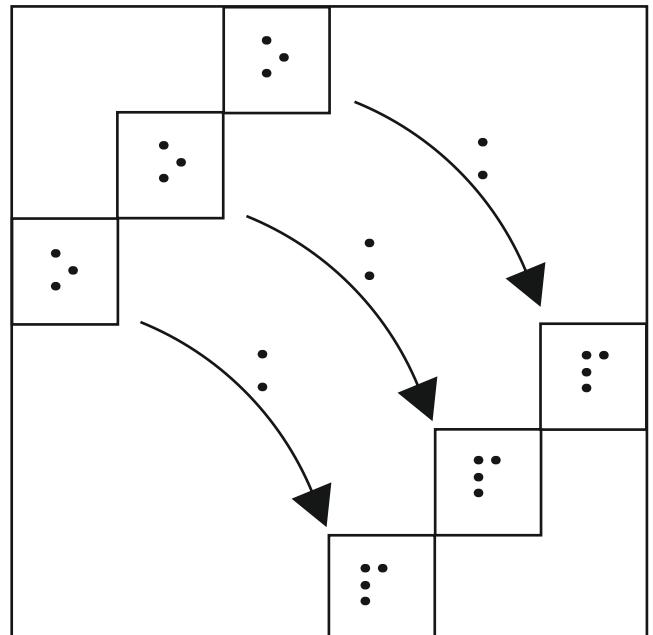
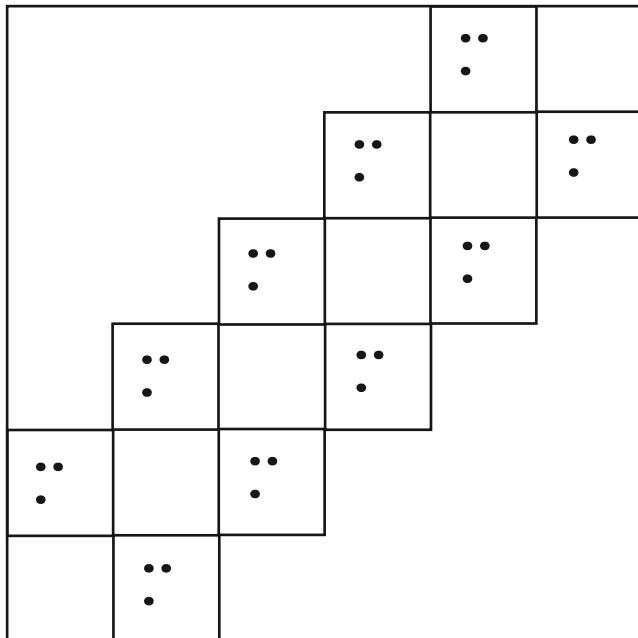


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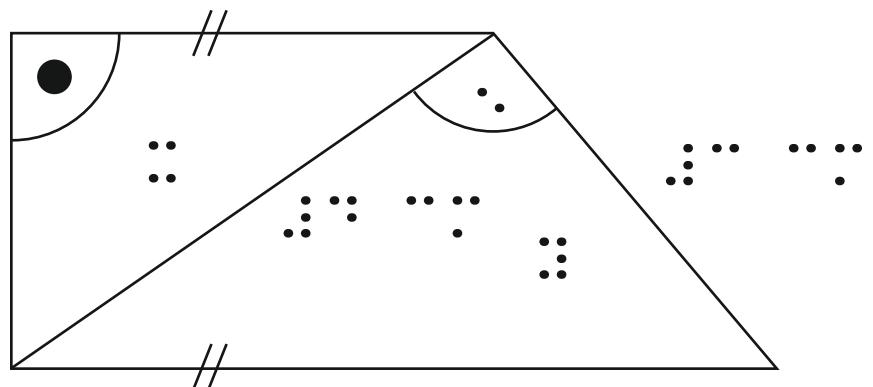


The image shows a sequence of Braille characters. The first character has two dots in the top-left position. The second character has four dots in a 2x2 square pattern. The third character has three dots in a triangle pattern.

The image shows a sequence of seven Braille characters arranged horizontally. Each character consists of a 2x3 grid of dots. The first character has one dot in the top-left position. The second character has two dots in the top row. The third character has three dots in the top row. The fourth character has one dot in the bottom-right position. The fifth character has two dots in the top row. The sixth character has three dots in the top row. The seventh character has one dot in the bottom-right position.

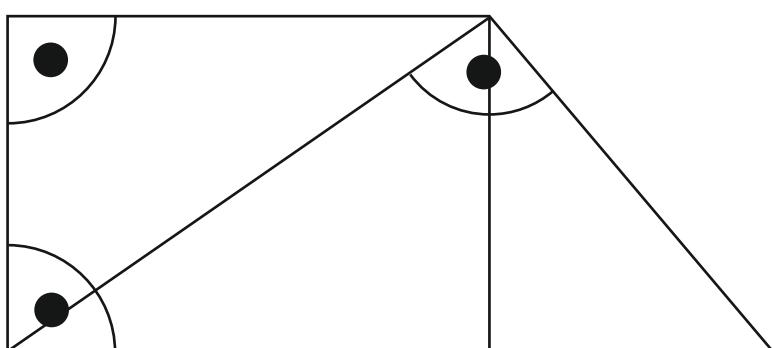
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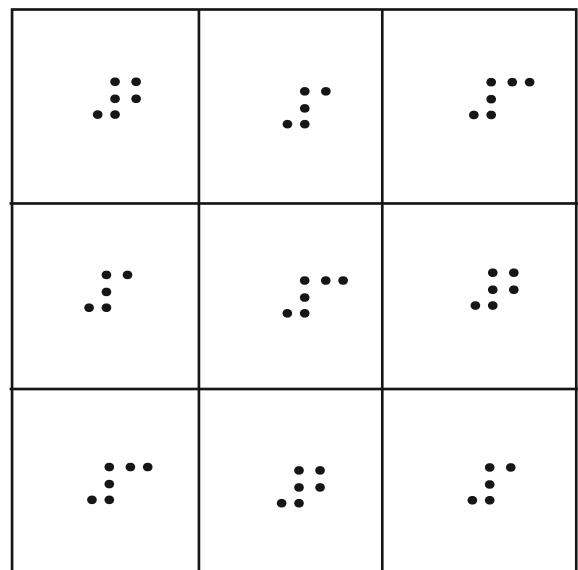
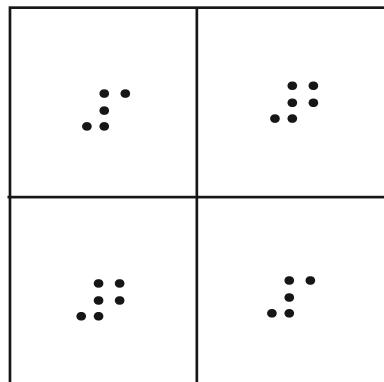
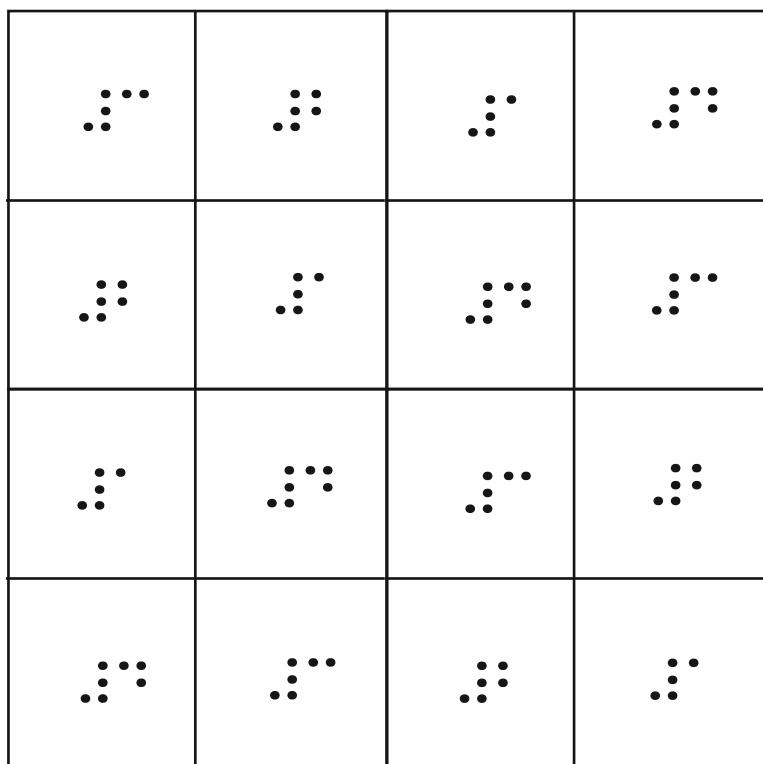


$$\begin{array}{c} \bullet\bullet \\ \bullet \\ \bullet\bullet \end{array} + \begin{array}{c} \bullet \\ \bullet \\ \bullet \end{array} = \begin{array}{c} \bullet\bullet \\ \bullet \\ \bullet\bullet \end{array}$$

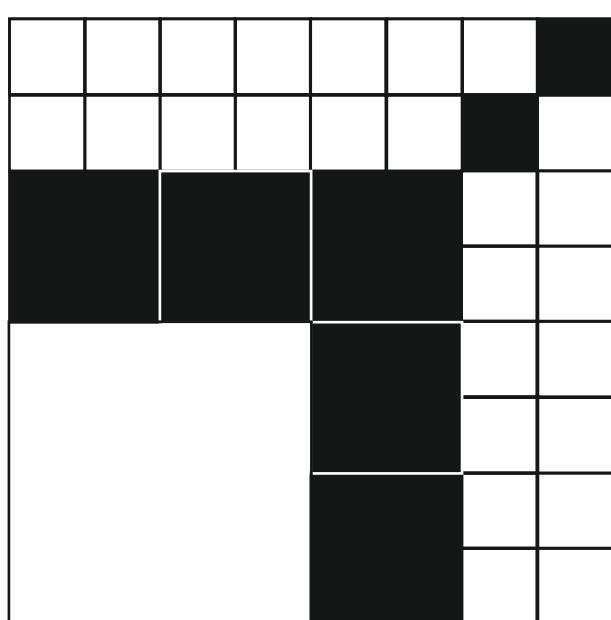
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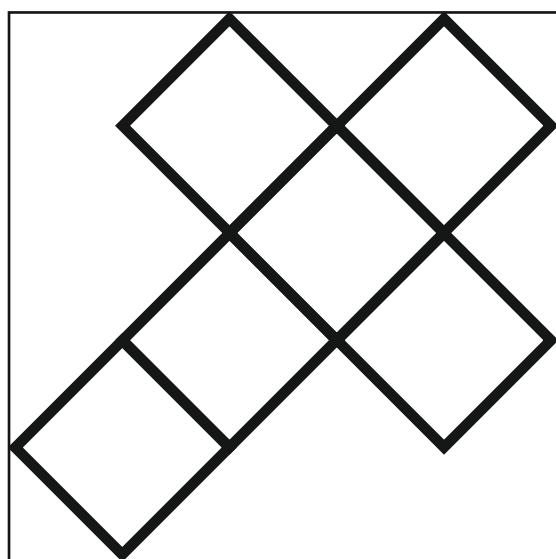
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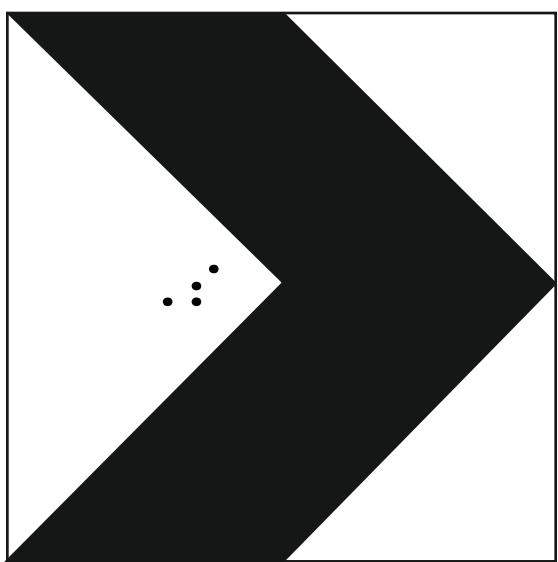
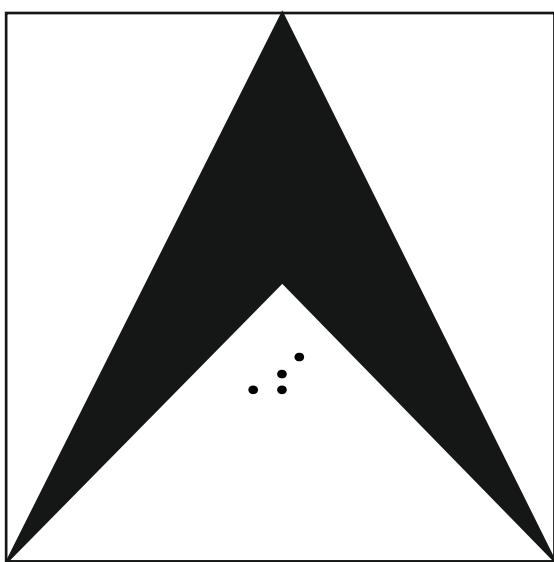
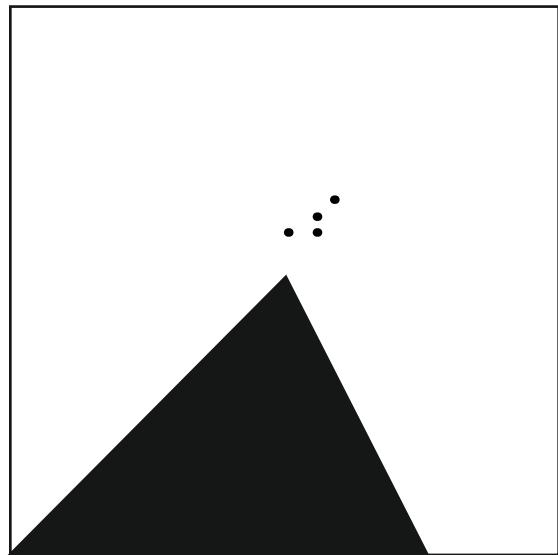
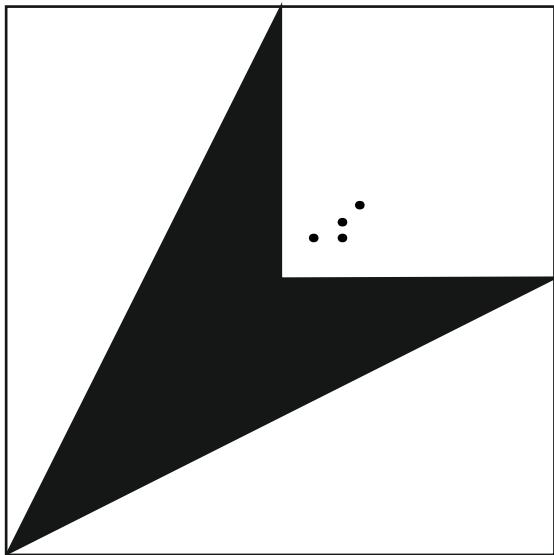


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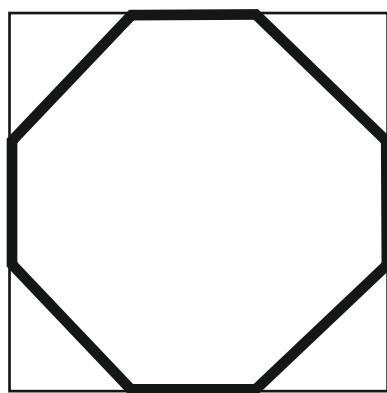


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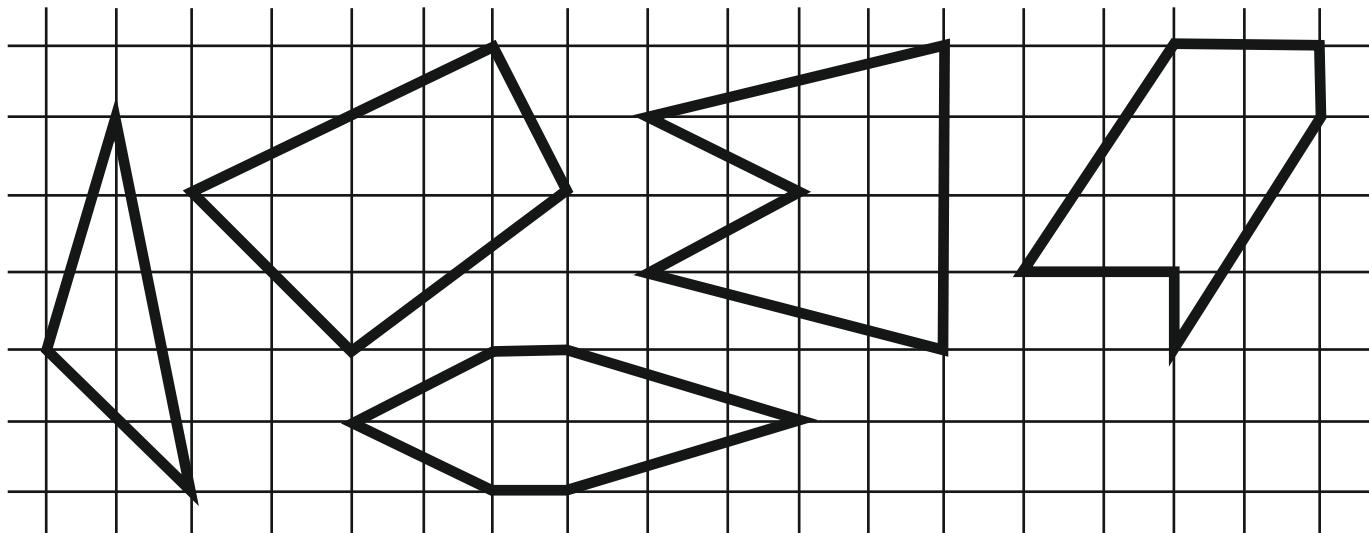


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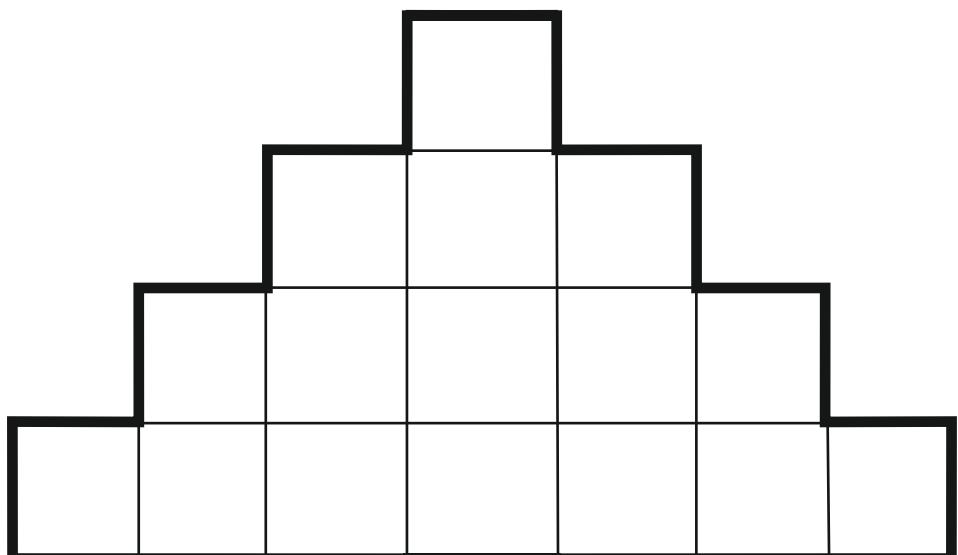
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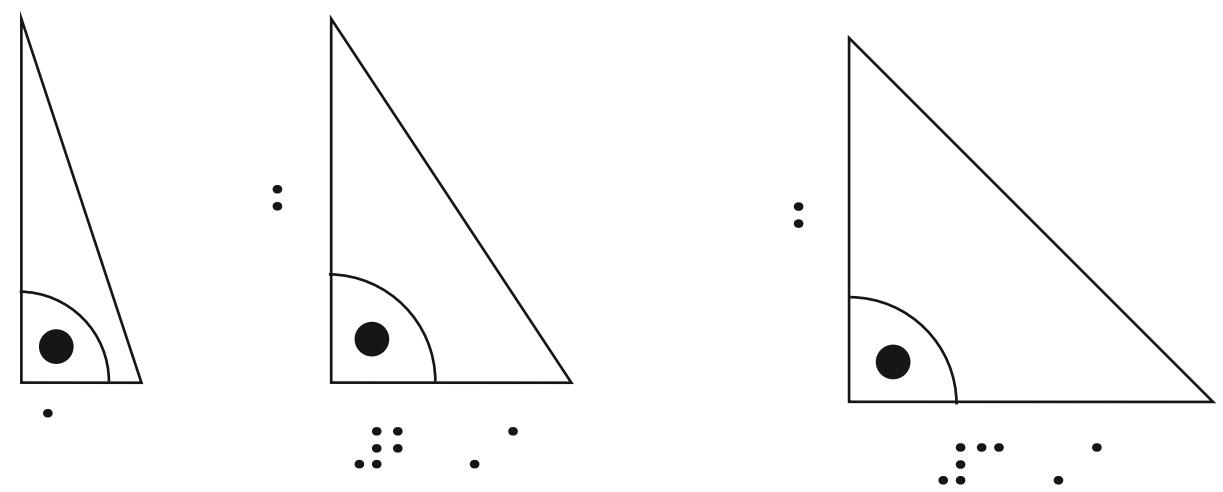
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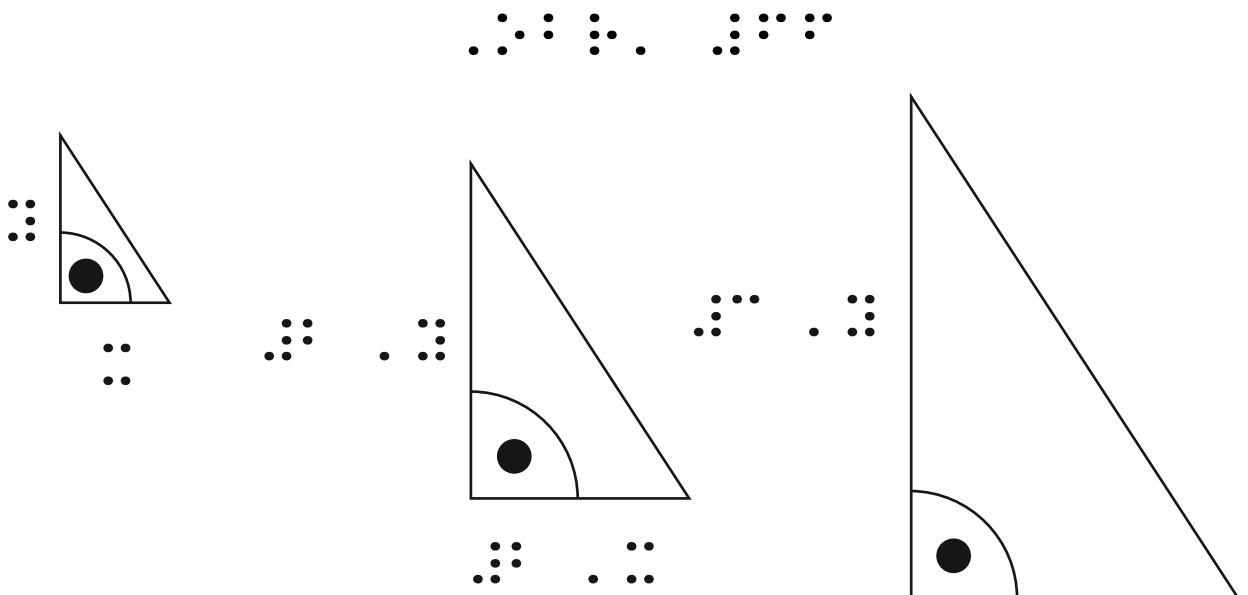
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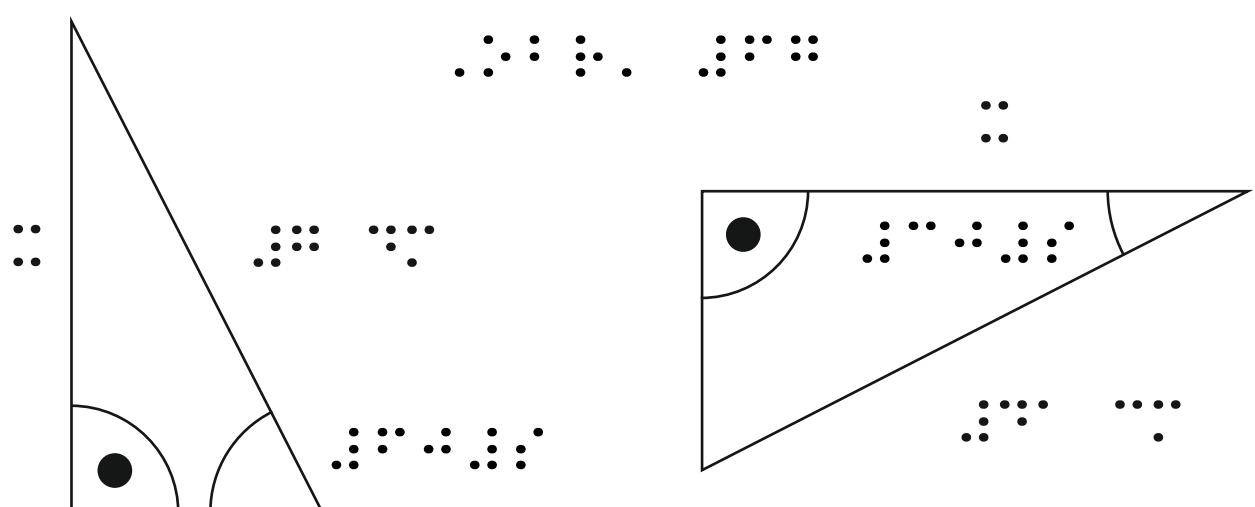


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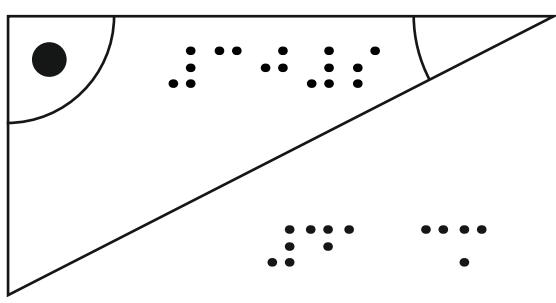


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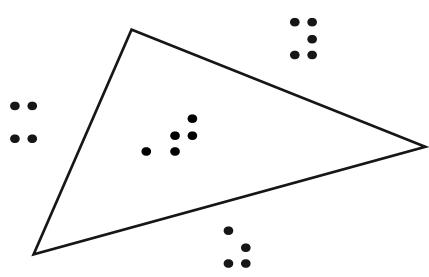


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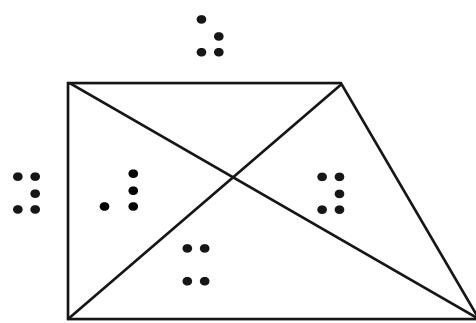
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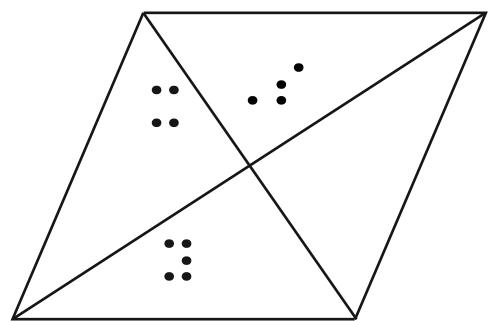
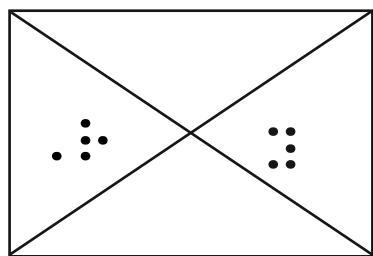
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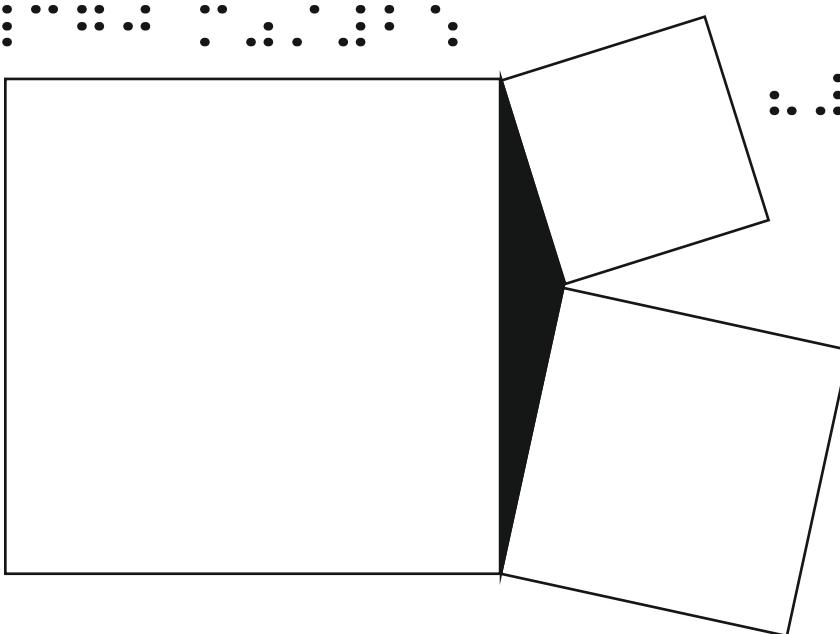
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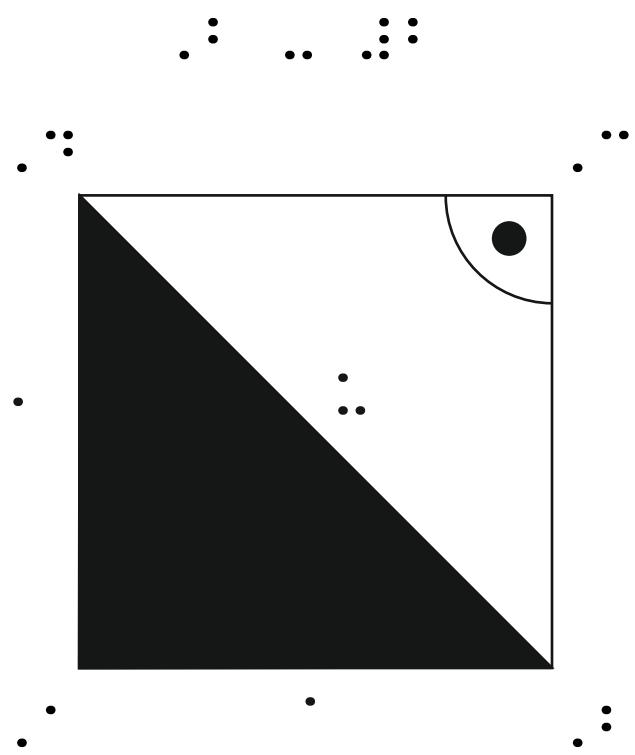
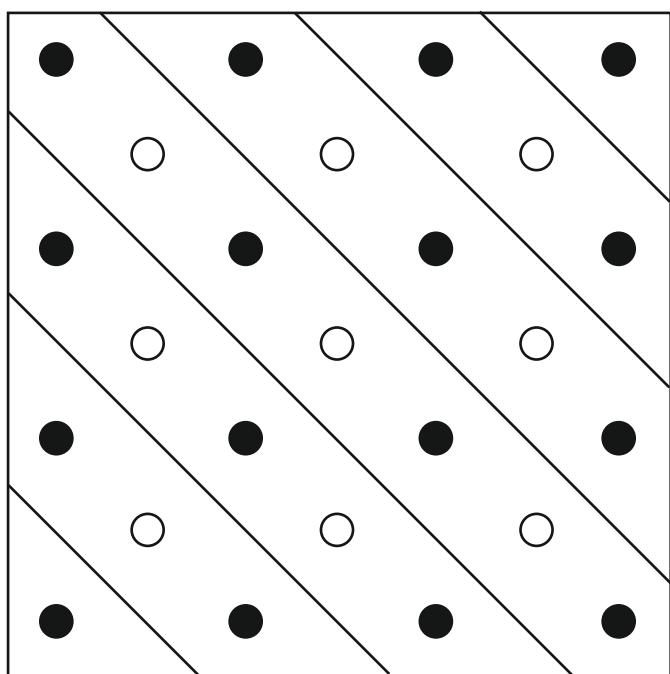
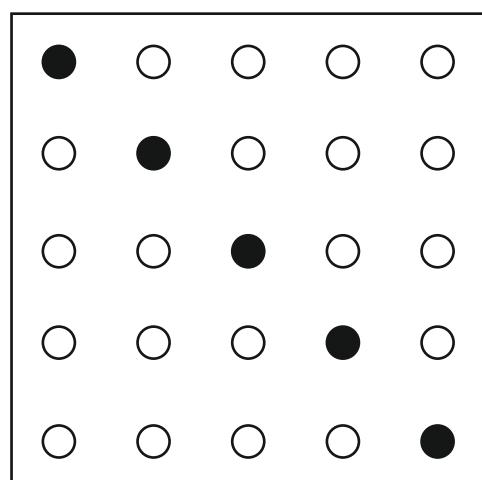
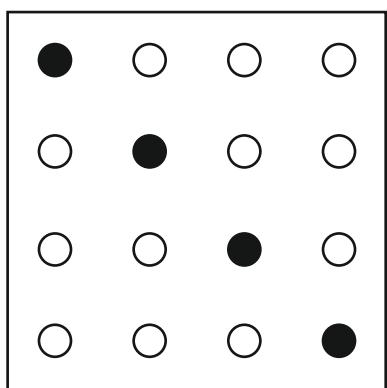
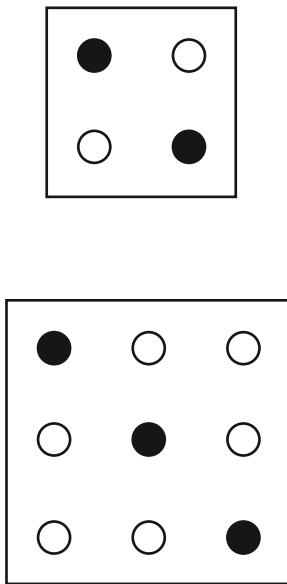
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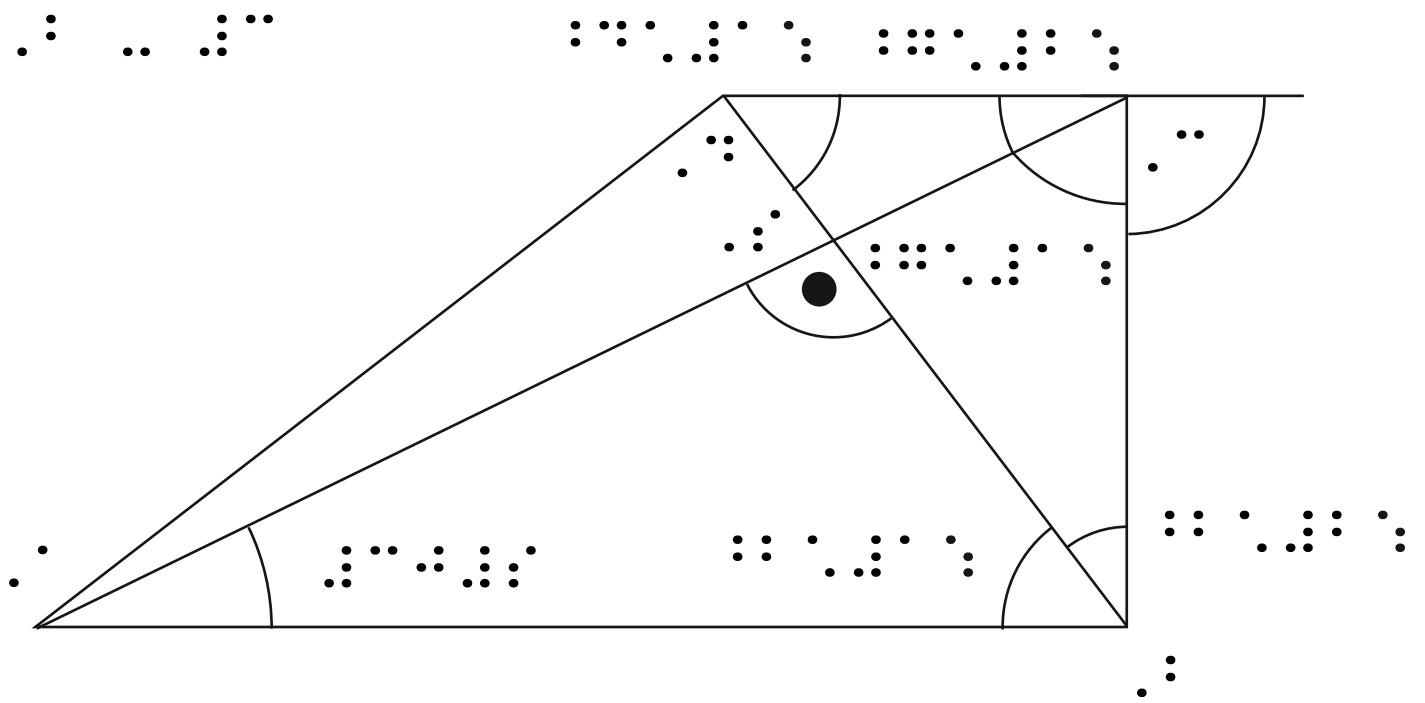
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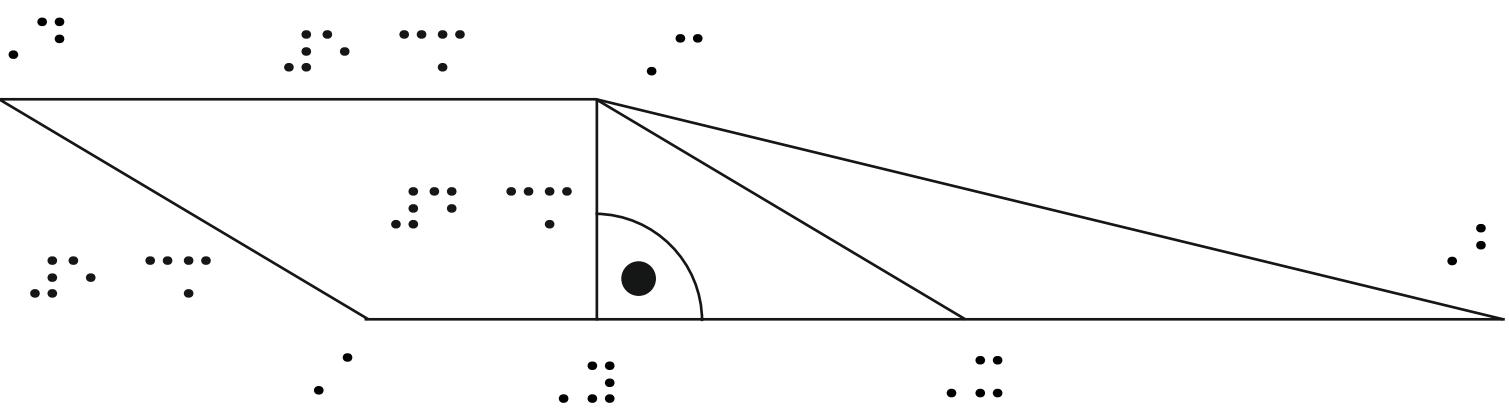
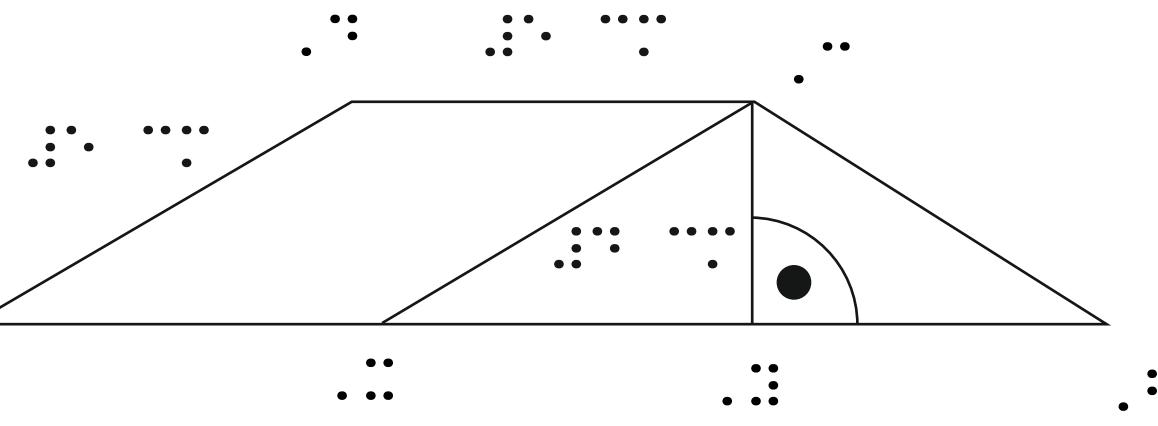
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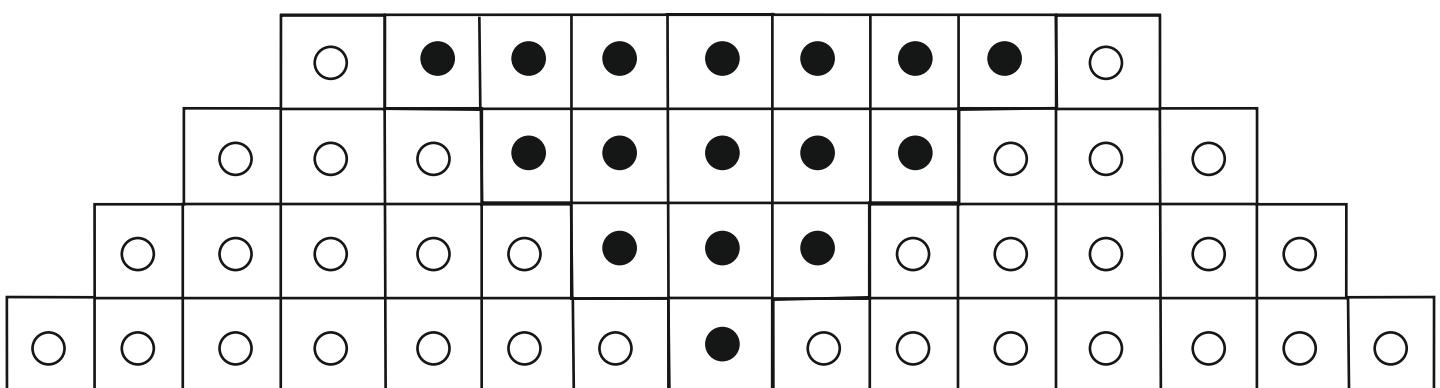
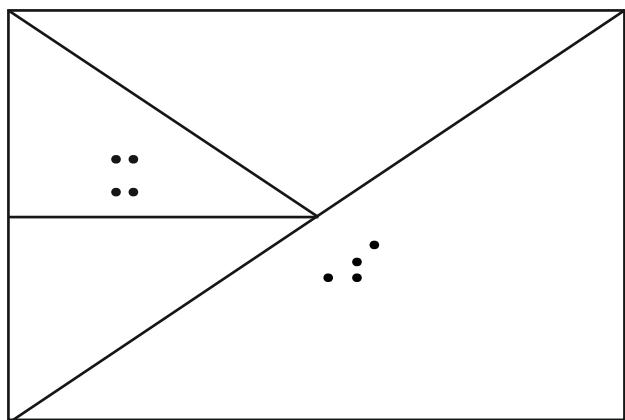
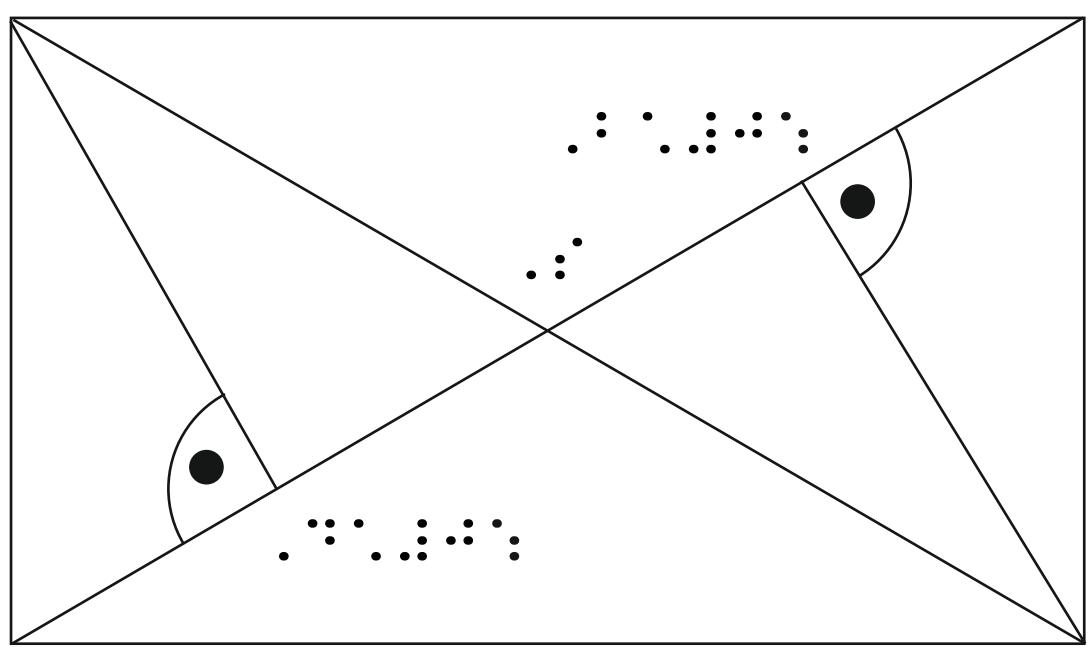
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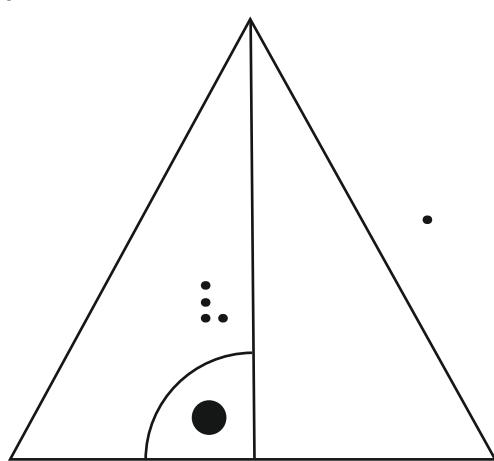
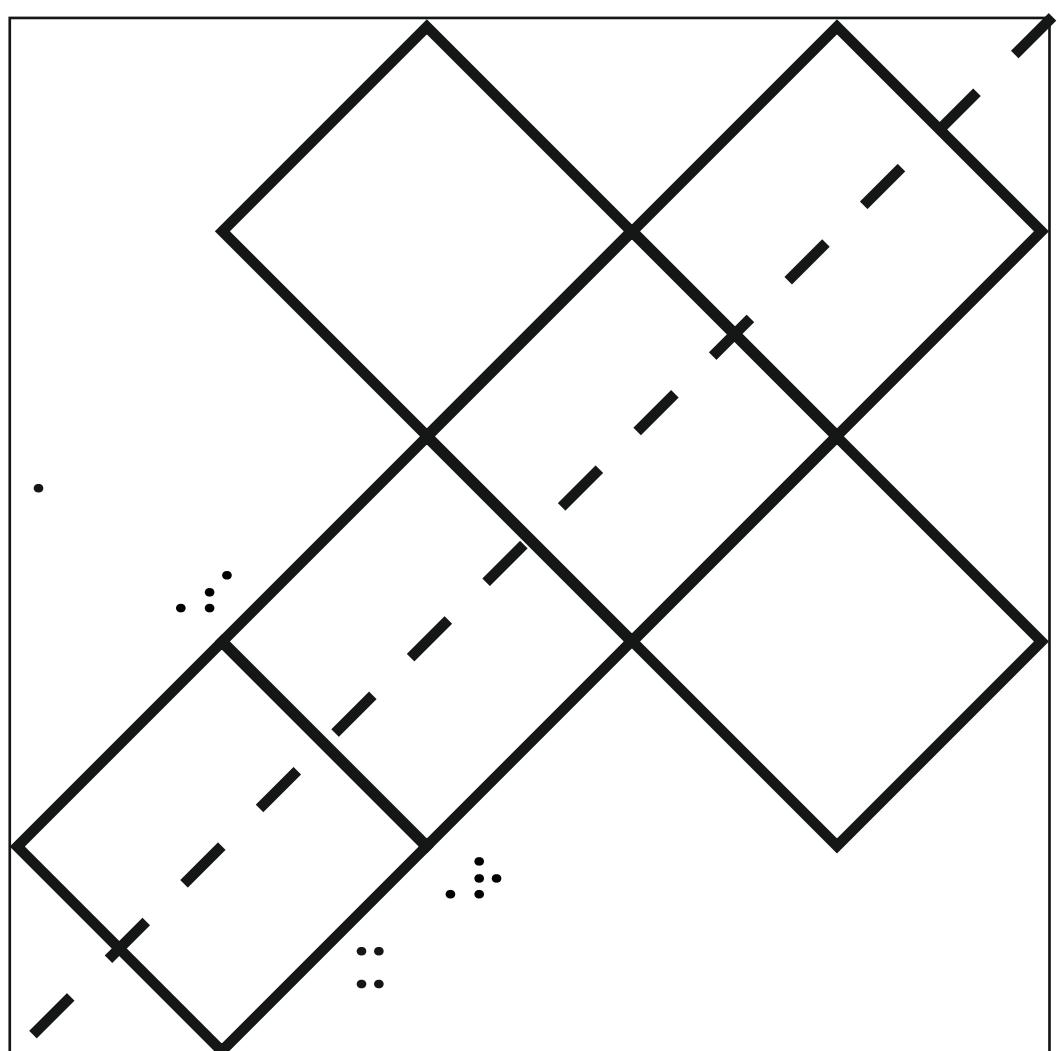




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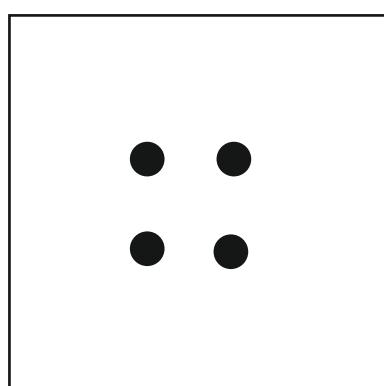
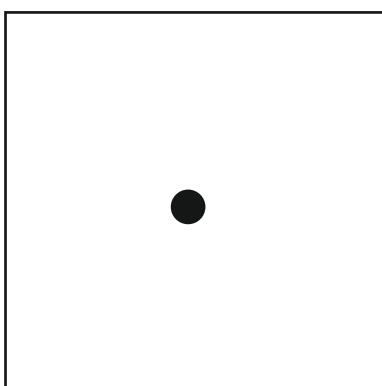




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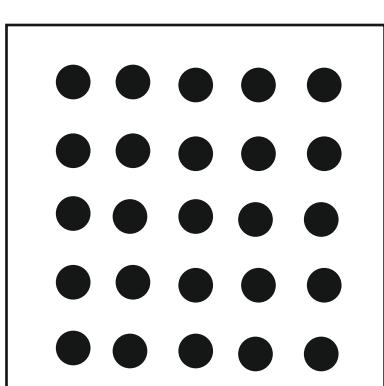
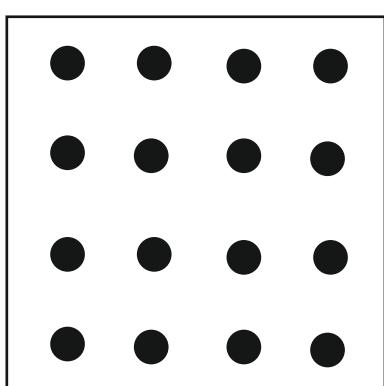
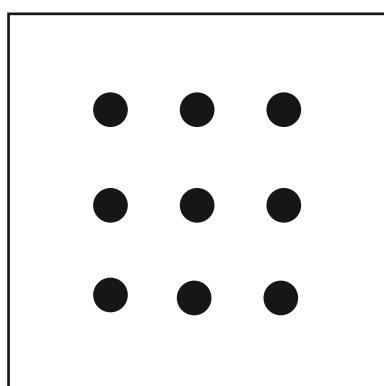
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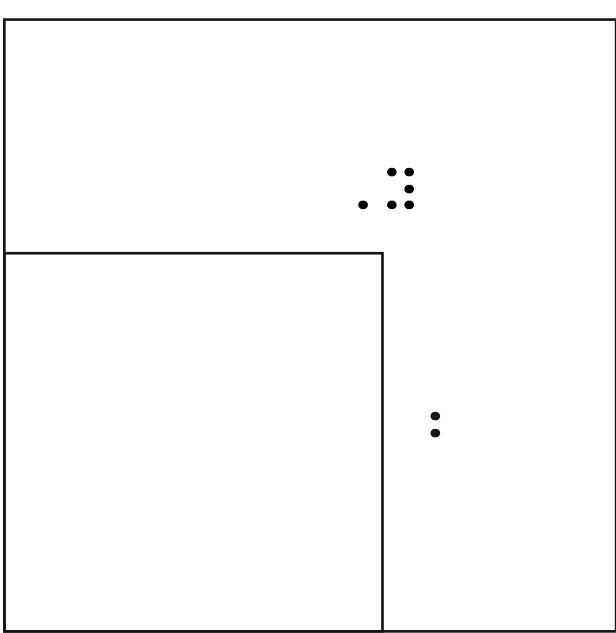
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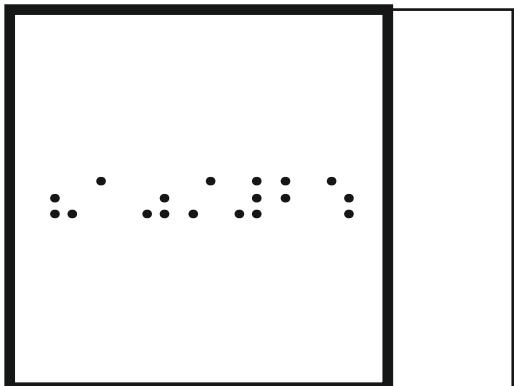
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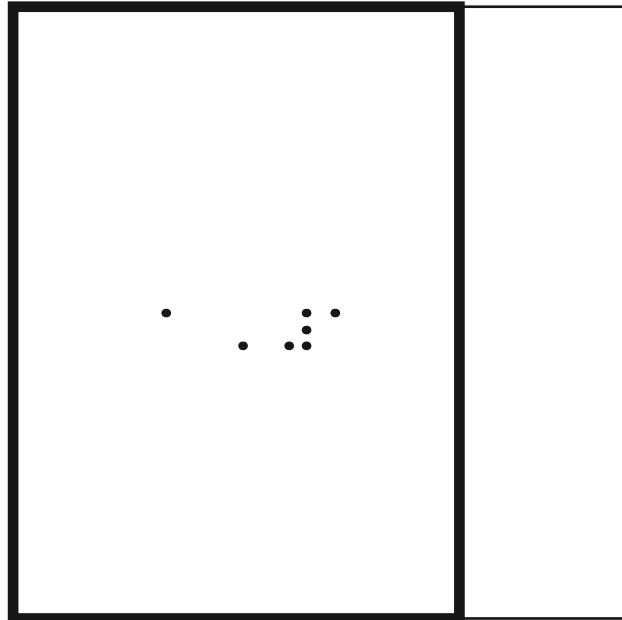
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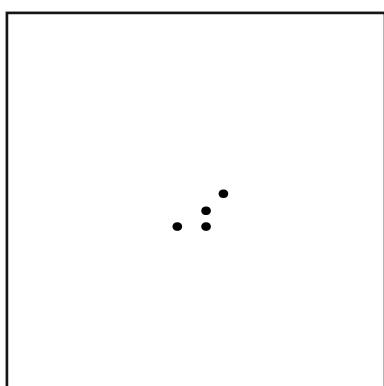
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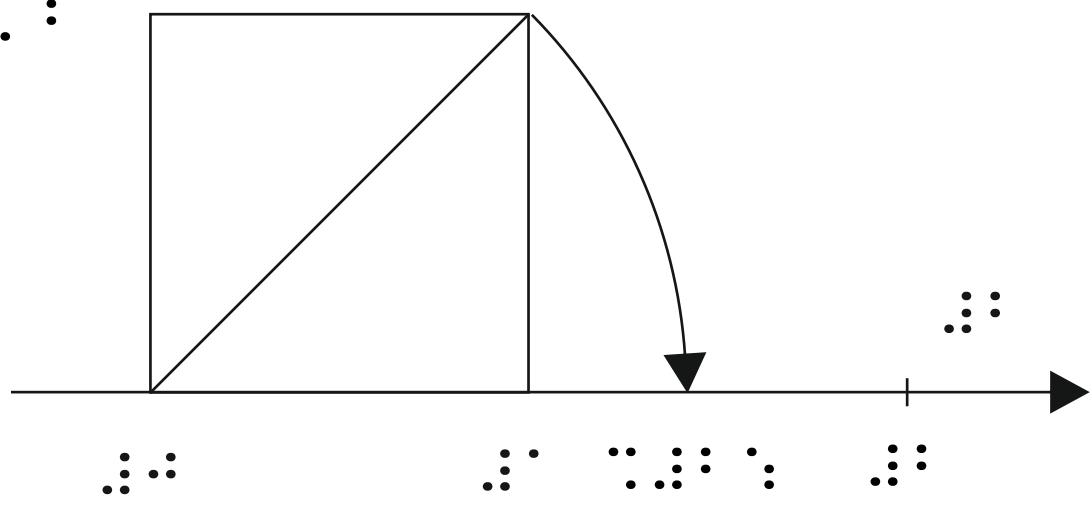
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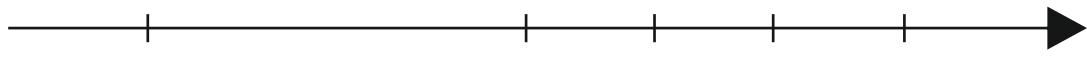
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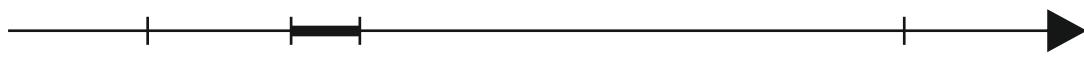
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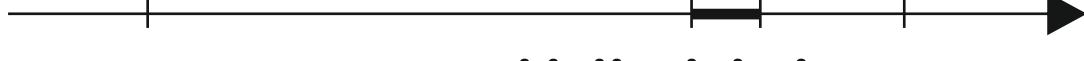
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The image shows a sequence of seven binary digits (bits) arranged horizontally. Each bit is represented by a group of three dots. A vertical line of three dots at the top left indicates the first bit is a 0. Below it, a vertical line of two dots indicates the second bit is a 1. The third bit has two vertical lines, each with three dots, indicating a 1. The fourth bit has one vertical line with three dots, indicating a 0. The fifth bit has no vertical line, indicating a 0. The sixth bit has one vertical line with three dots, indicating a 1. The seventh bit has two vertical lines, each with three dots, indicating a 1.



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Figure 1. A schematic diagram of the experimental setup. The top part shows the optical bench with a beam splitter, lenses, and mirrors. The bottom part shows the sample stage with a sample holder and a camera.

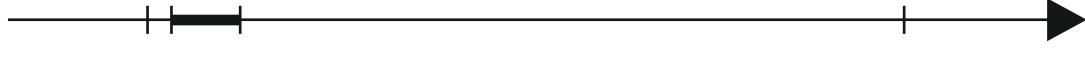


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A 5x5 grid of black dots arranged in five rows and five columns, representing a 5x5 matrix.

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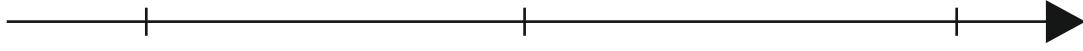
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A horizontal sequence of black dots. The pattern starts with two dots on the left, followed by a gap of three empty spaces, then a group of three dots, another gap of three empty spaces, a single dot, a gap of four empty spaces, a group of three dots, a gap of two empty spaces, and finally a group of three dots on the right.

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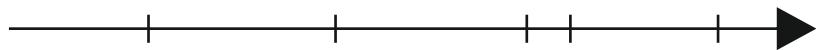


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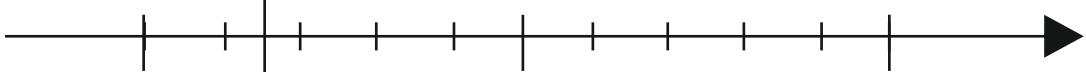
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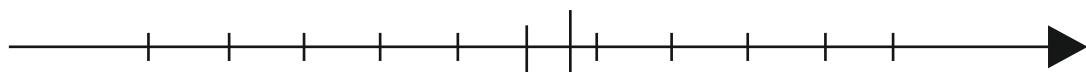
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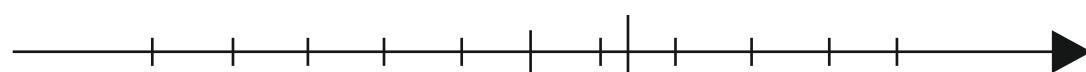
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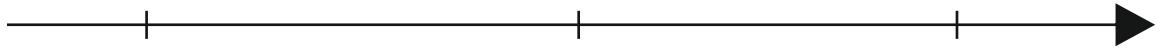
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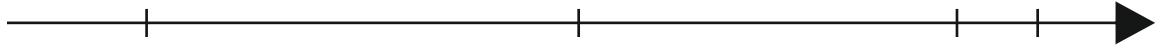


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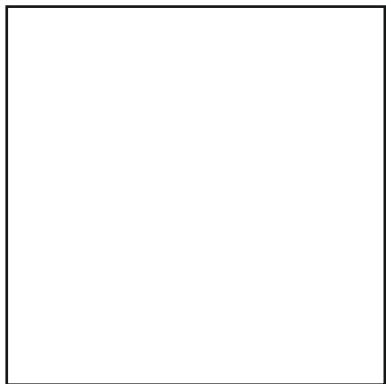


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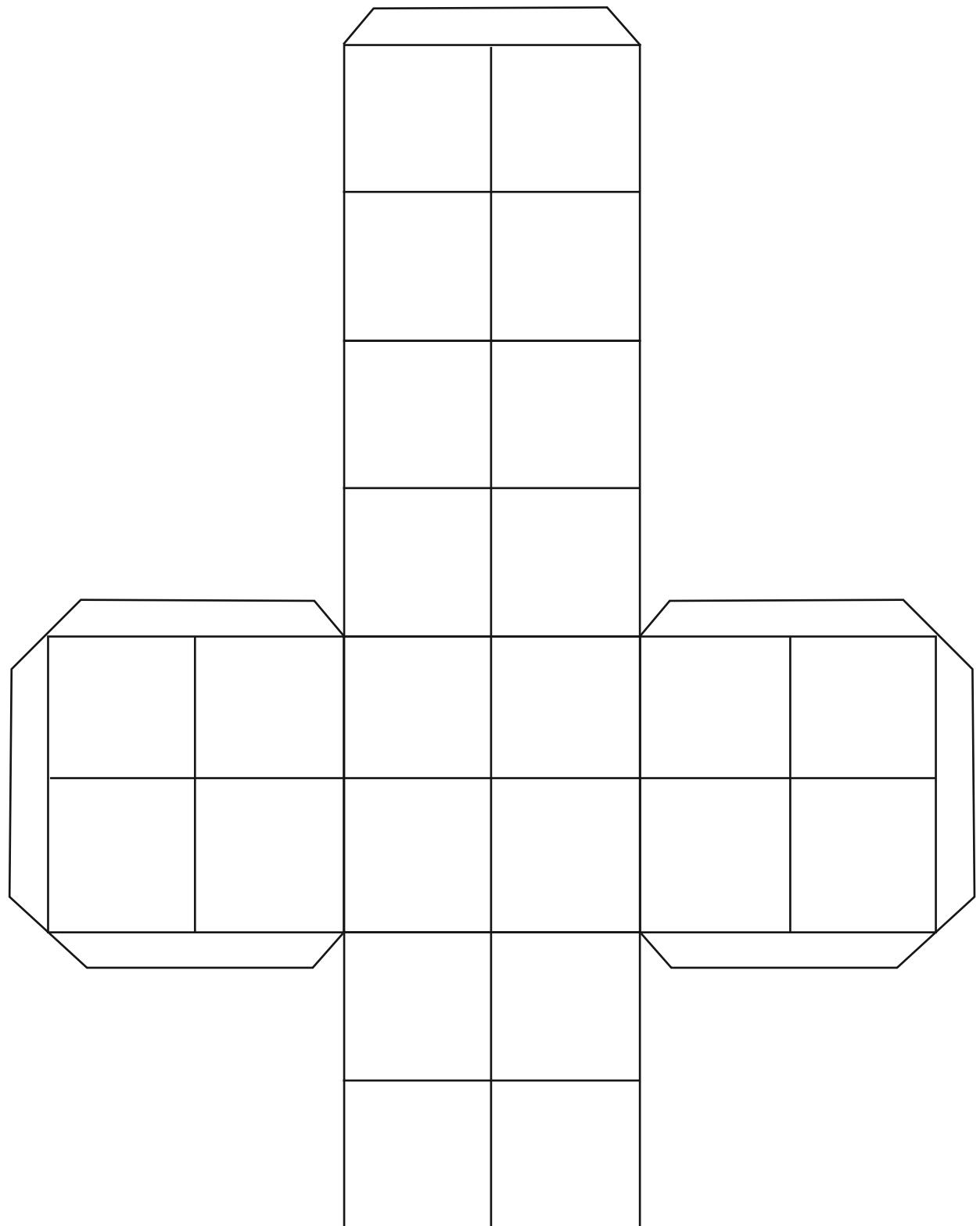
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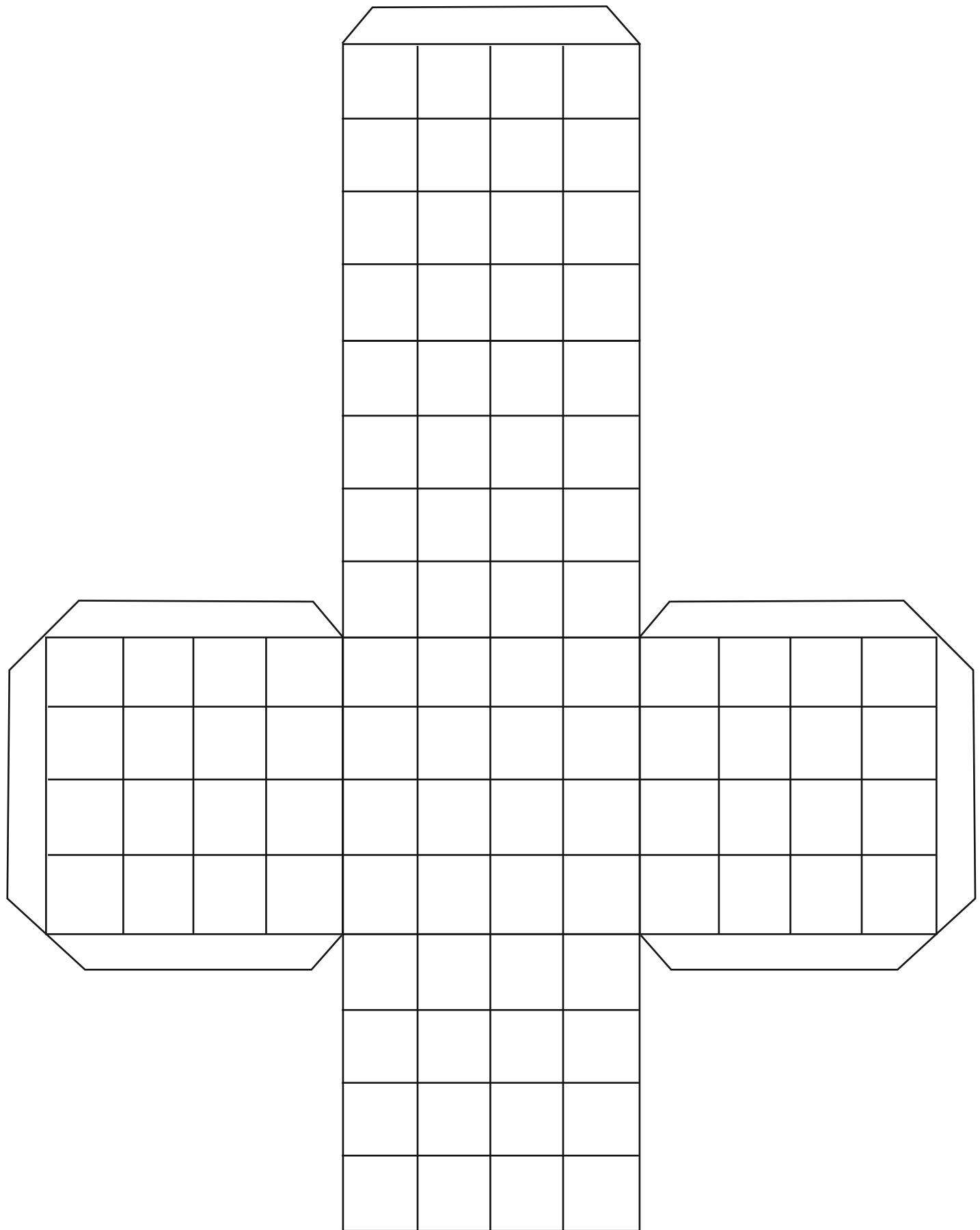
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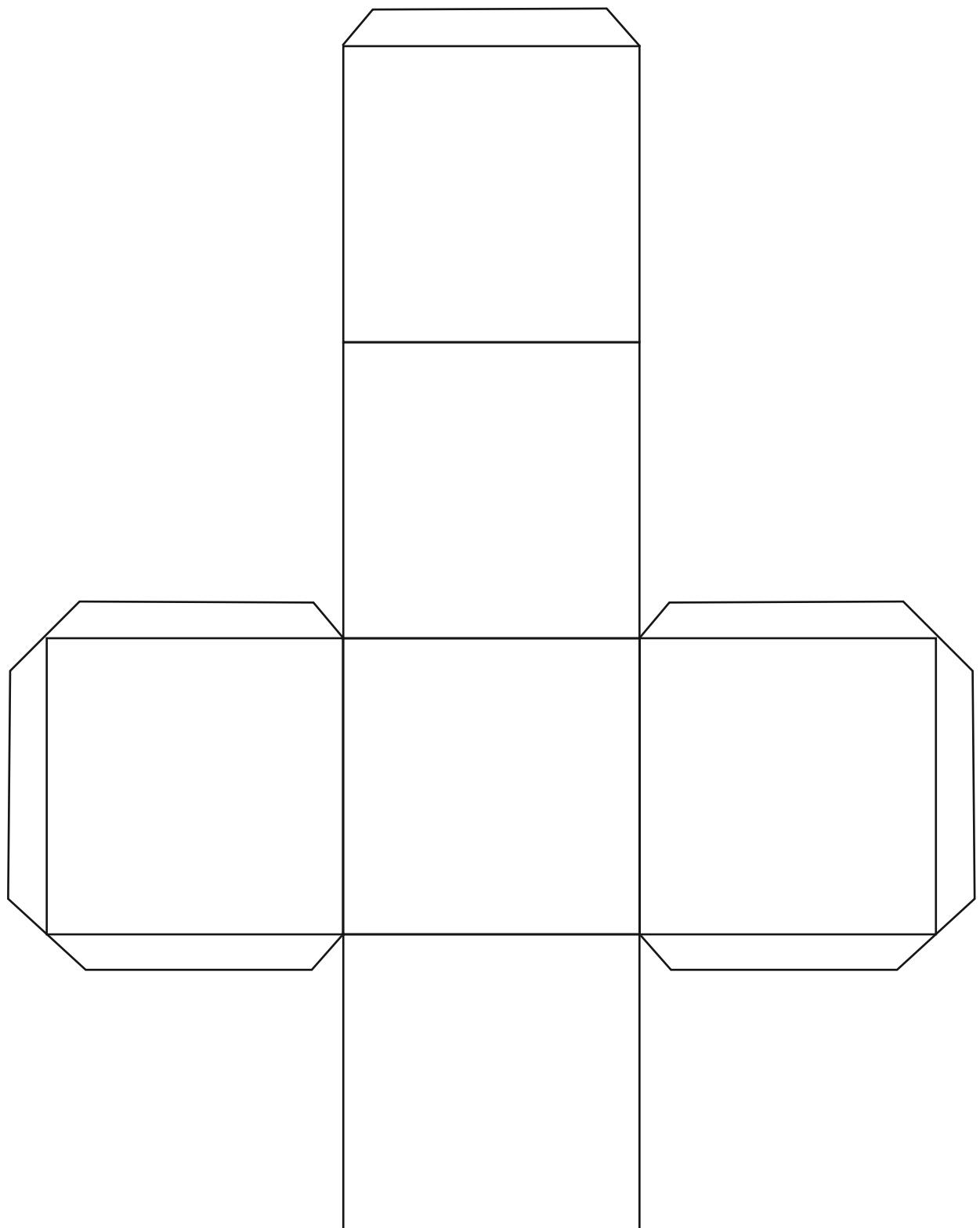


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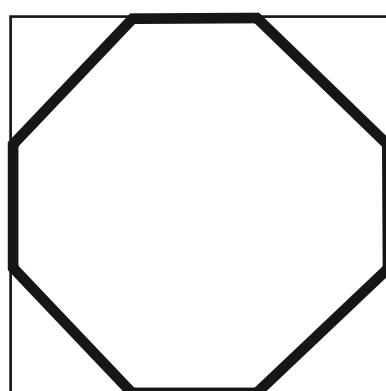
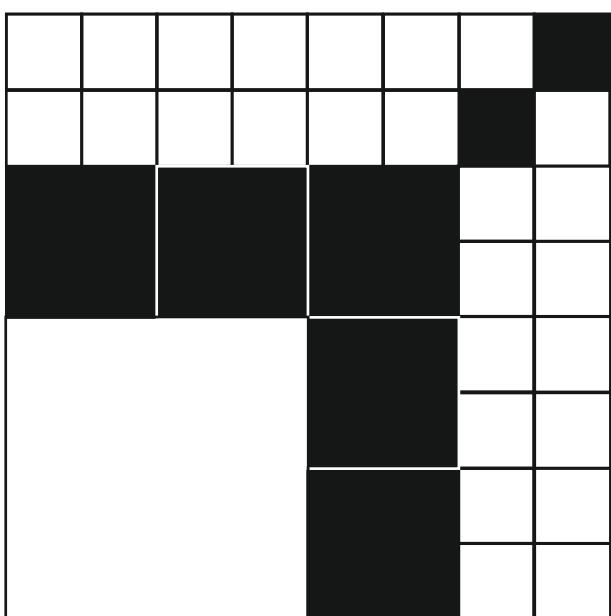
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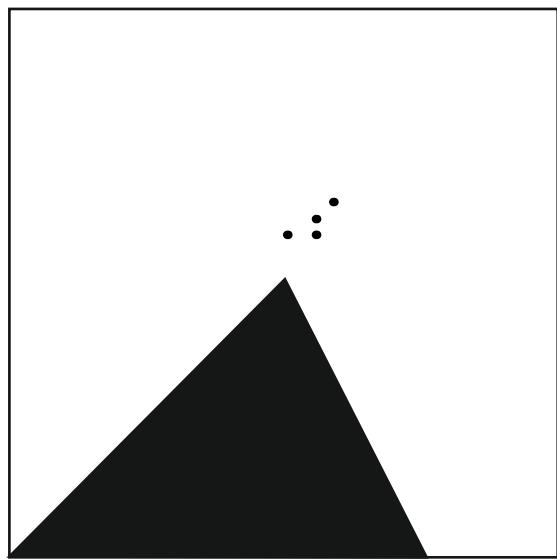
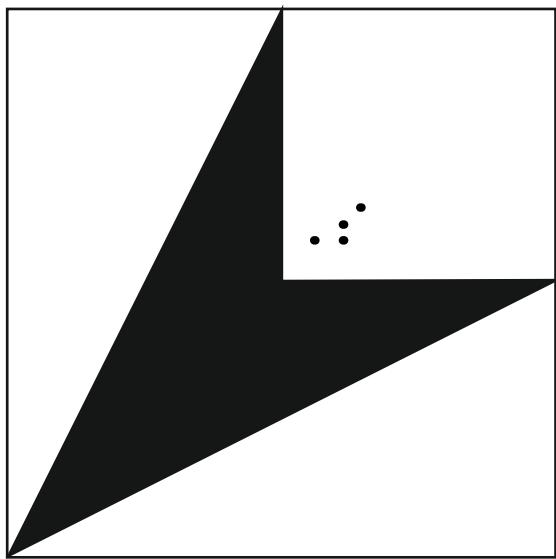


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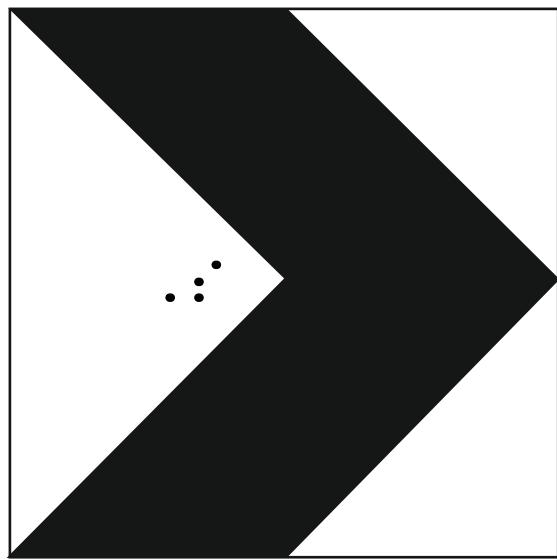
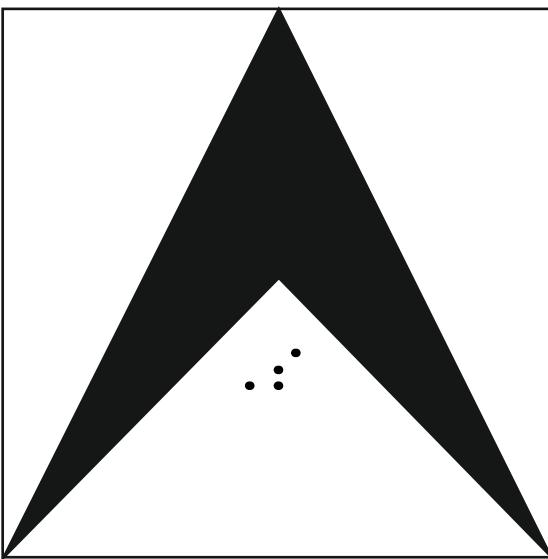
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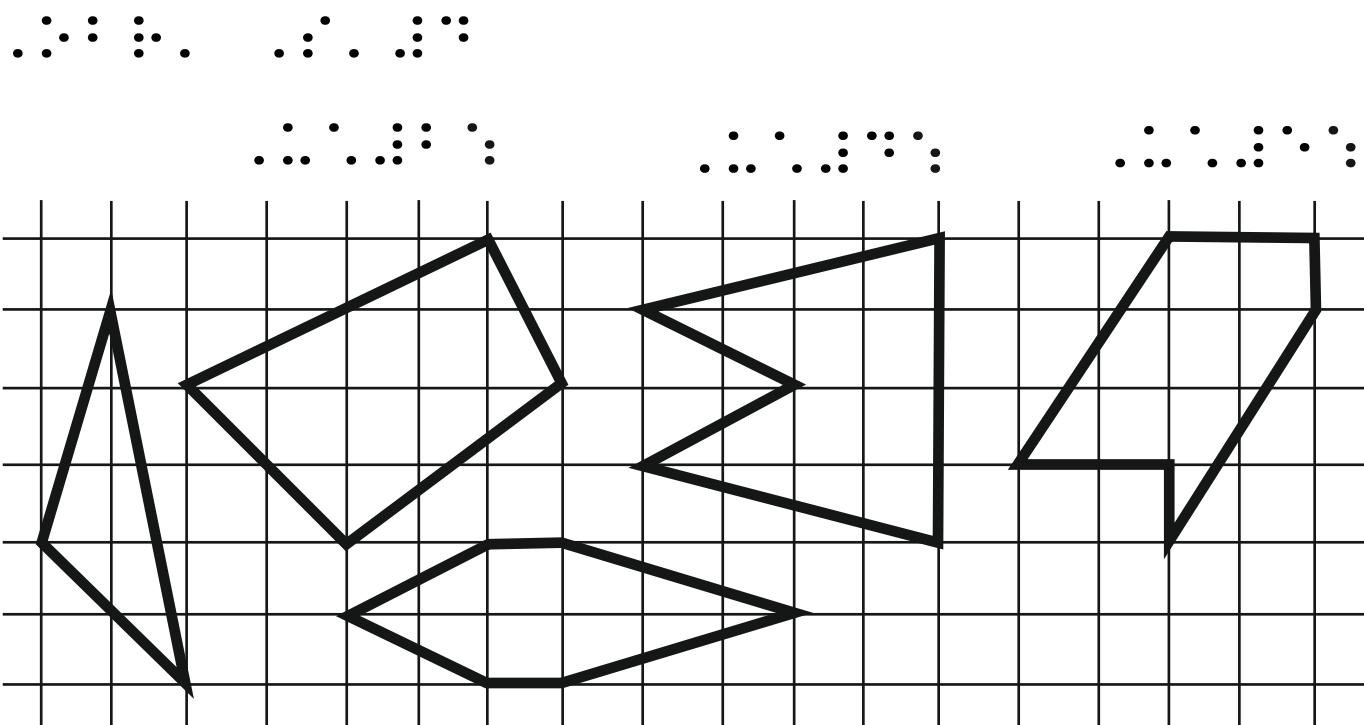


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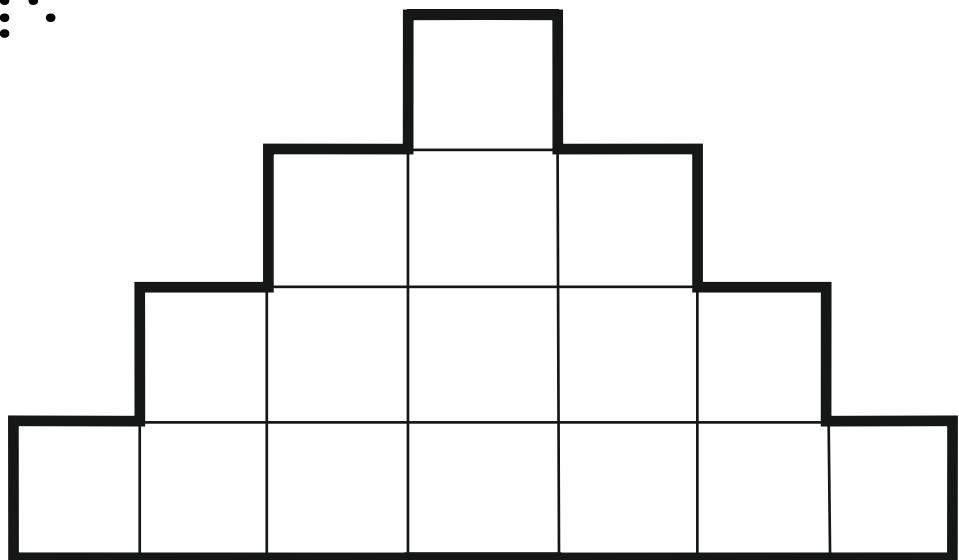
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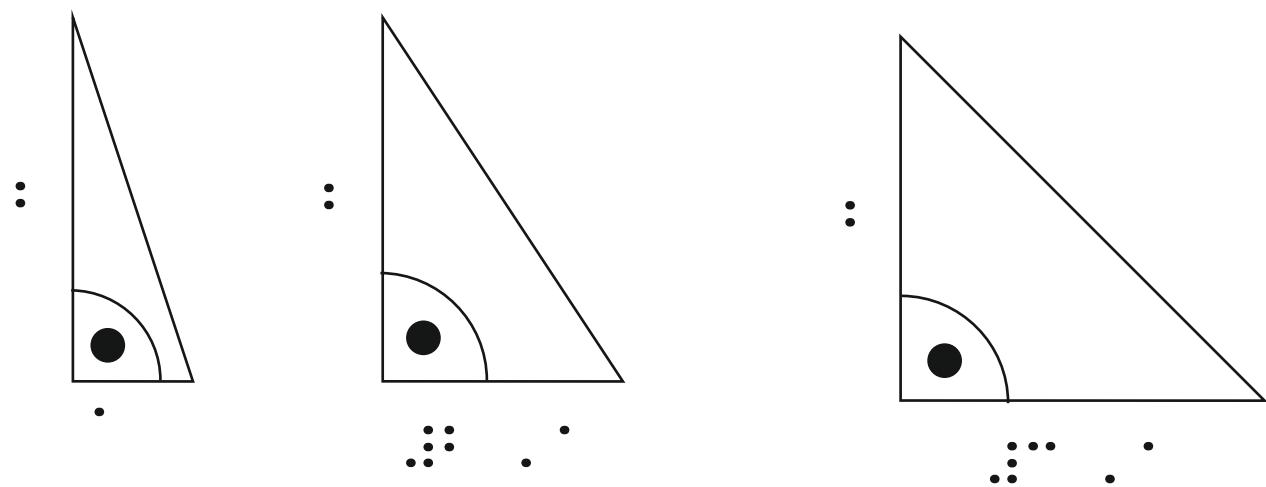


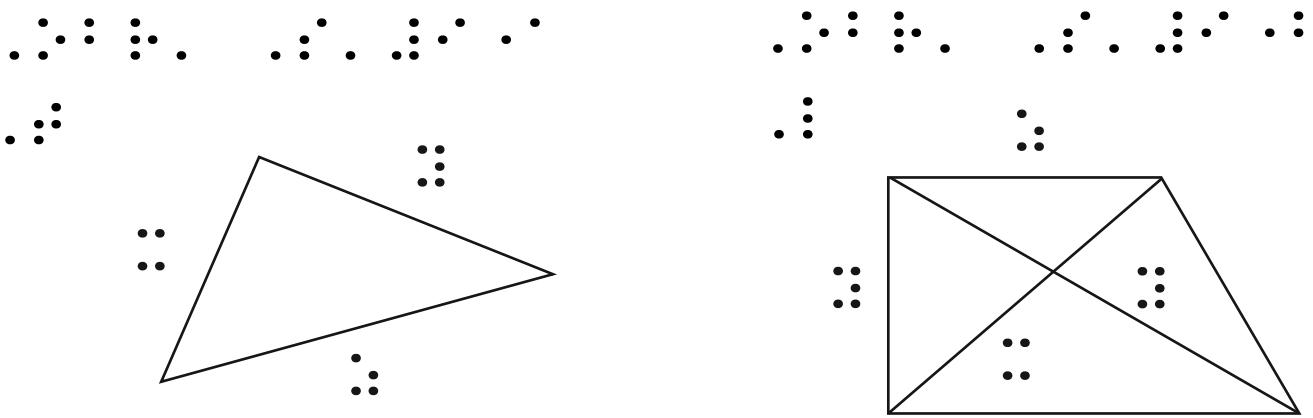
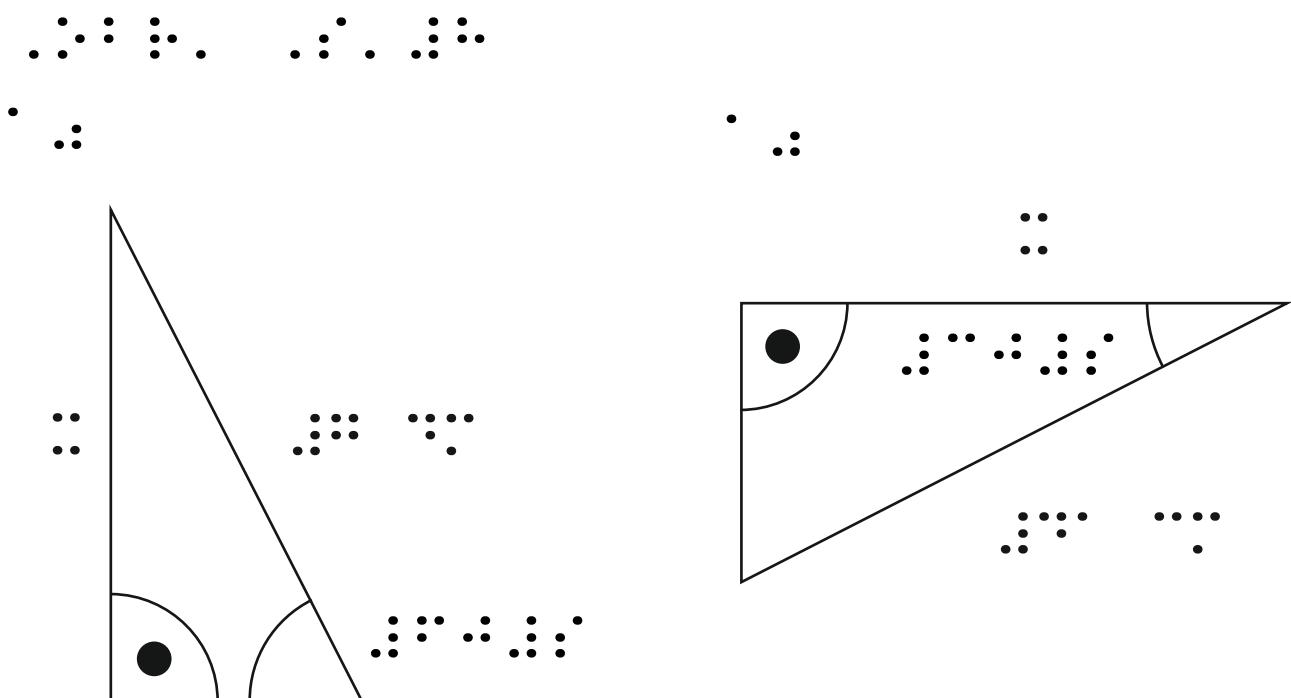
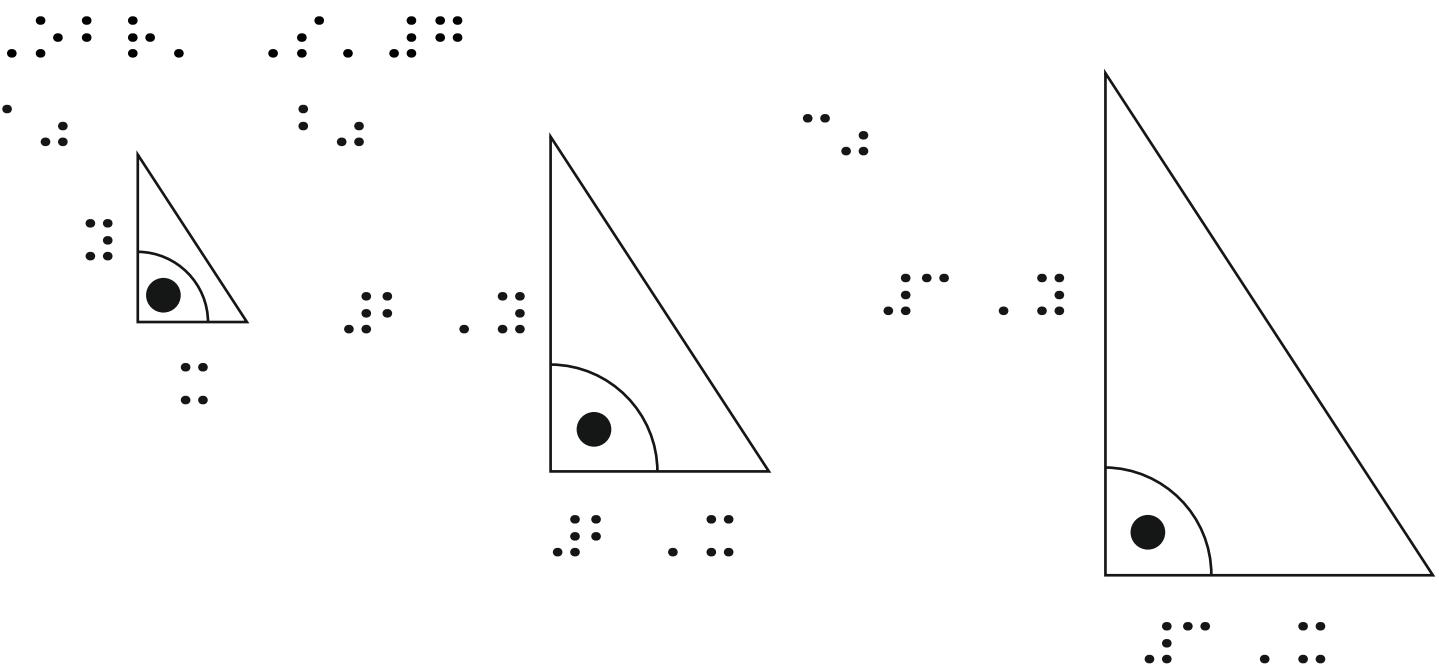
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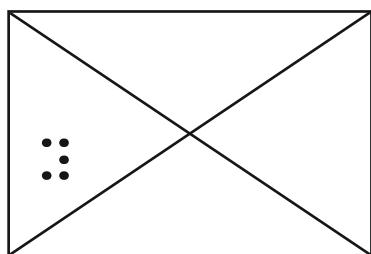




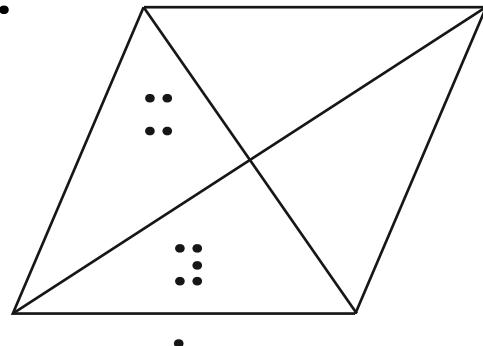
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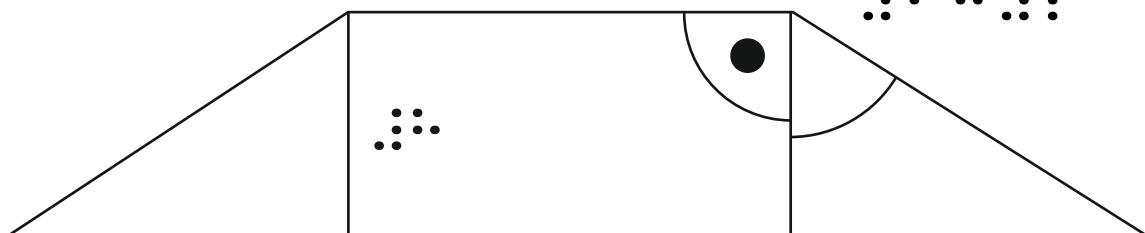
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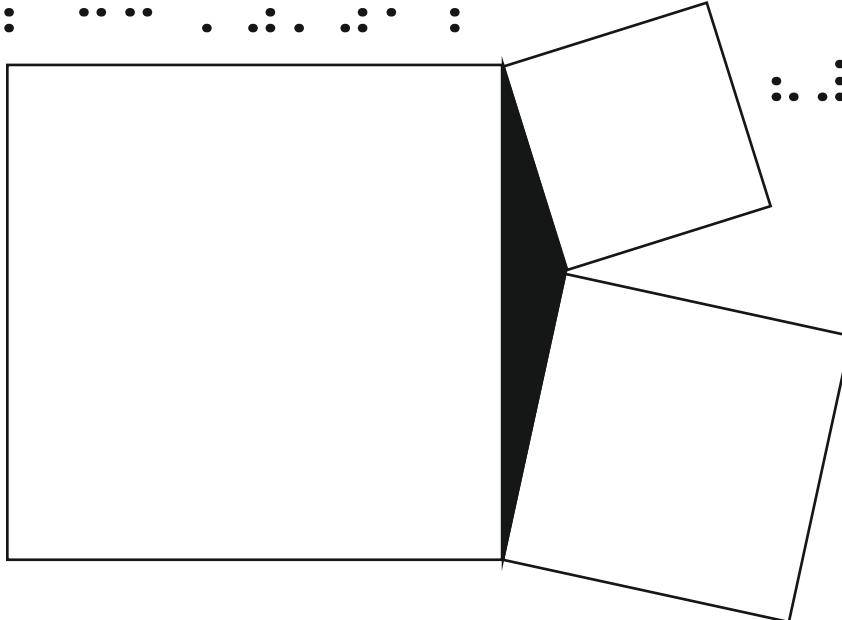
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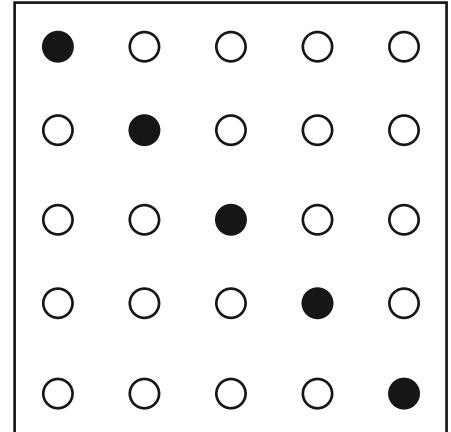
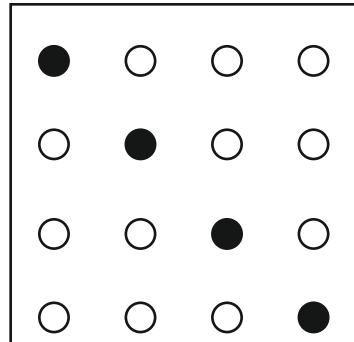
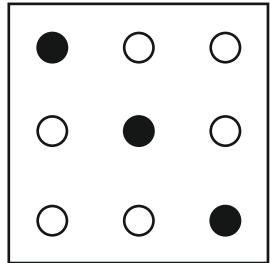
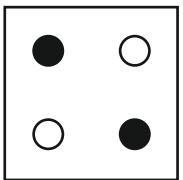
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