GEOSMART™

CHALLENGE BOOKLET

SHAPES

triangle

square

rectangle

diamond

trapezoid

hexagon

pentagon

isosceles triangle

large rectangle

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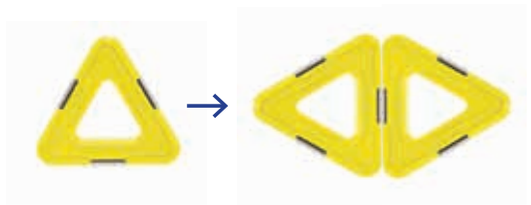
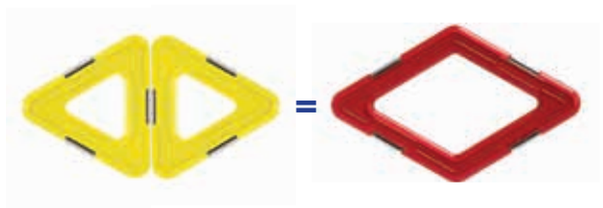
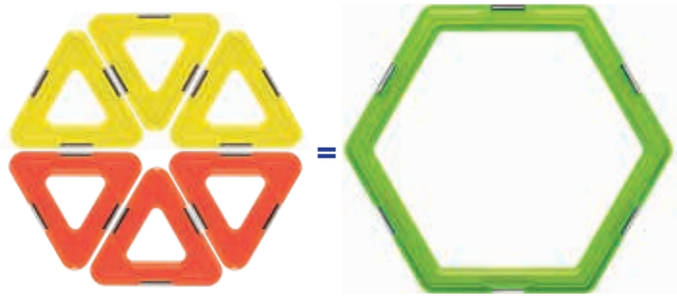
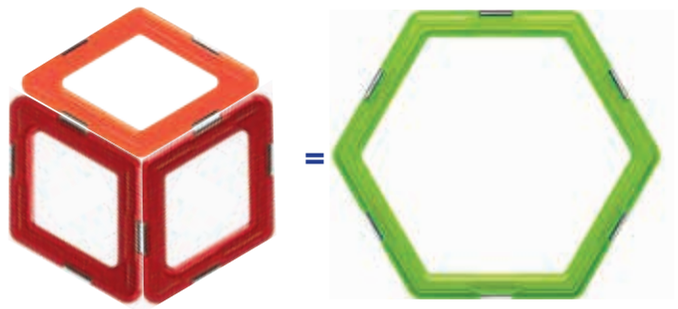
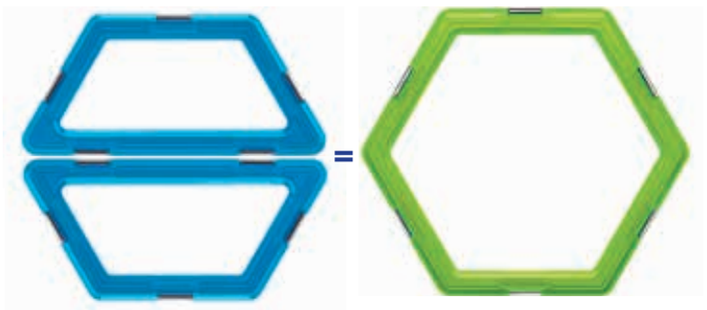
PATTERN RECOGNITION

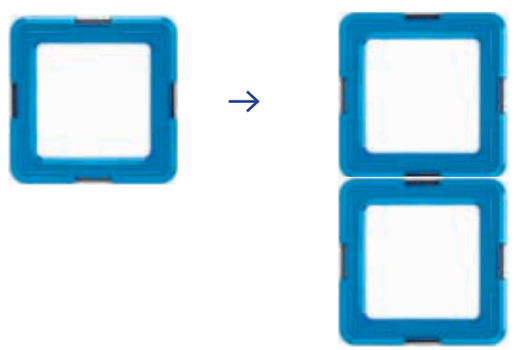


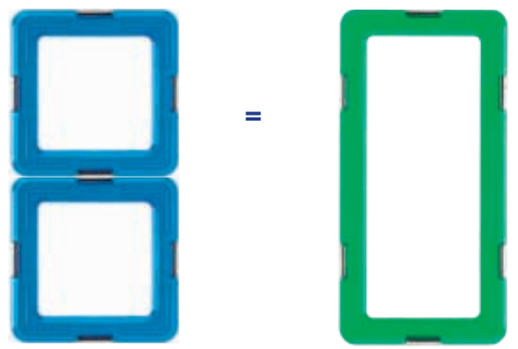












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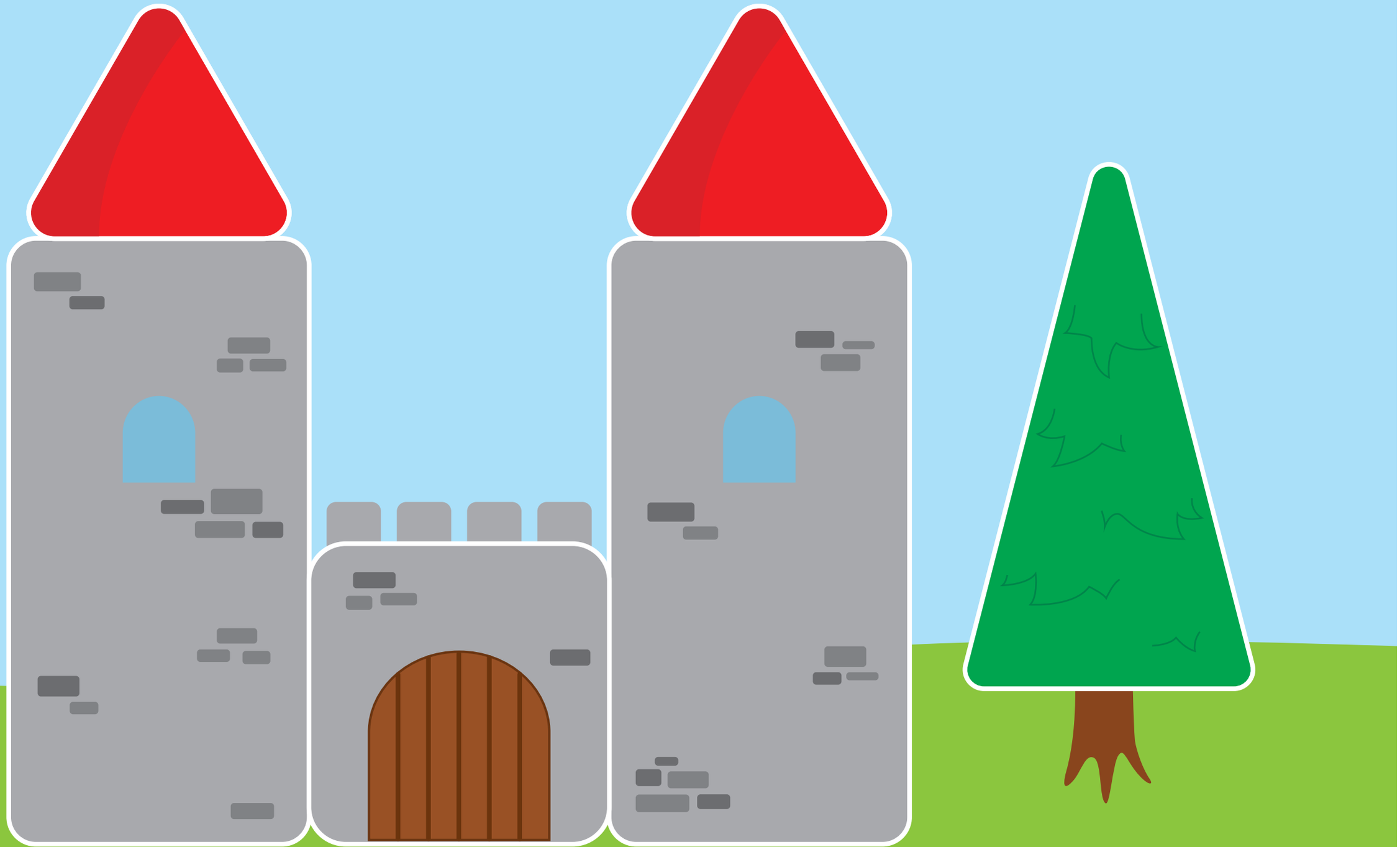
1. SHAPES AND COLOURS



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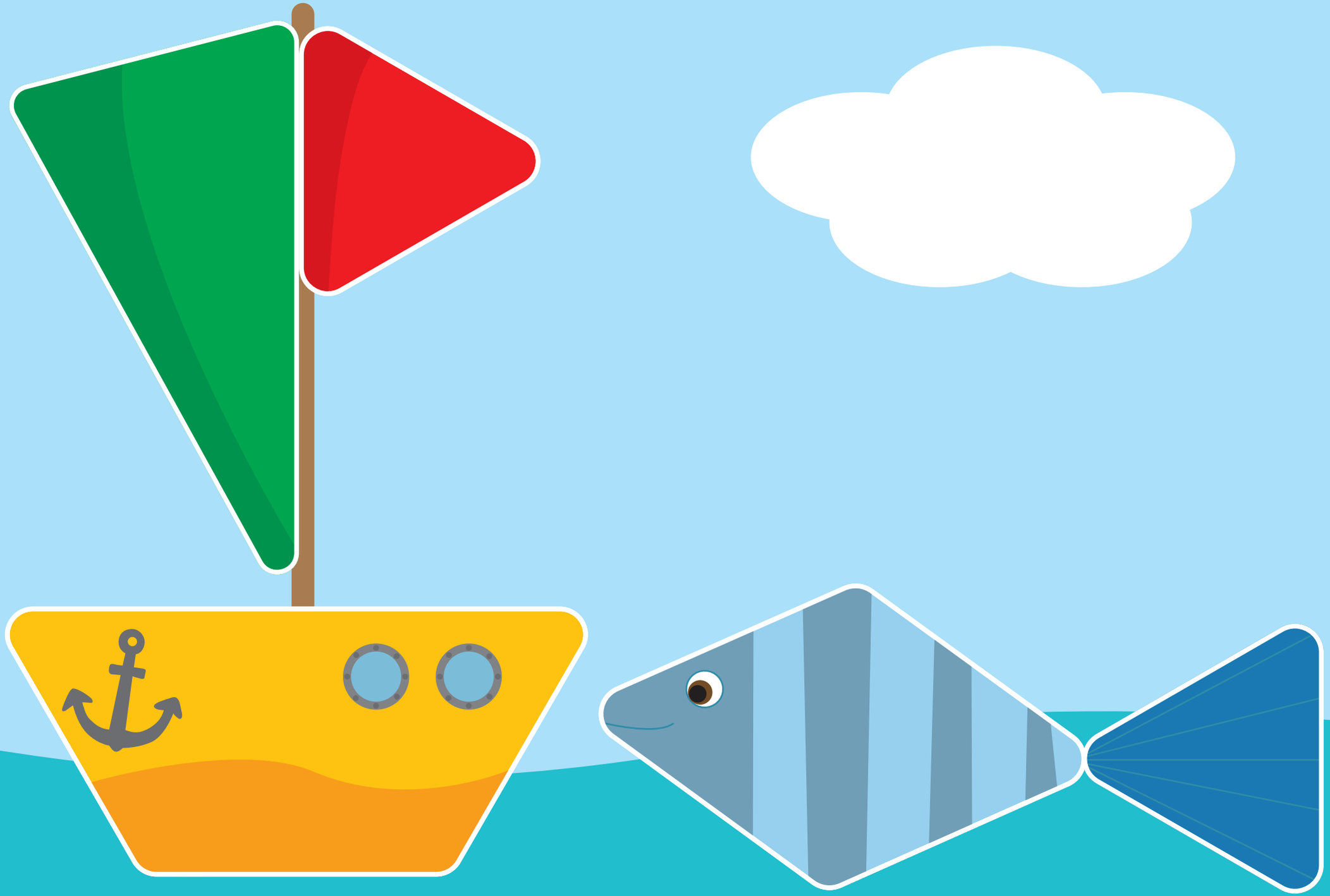

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1. SHAPES AND COLOURS

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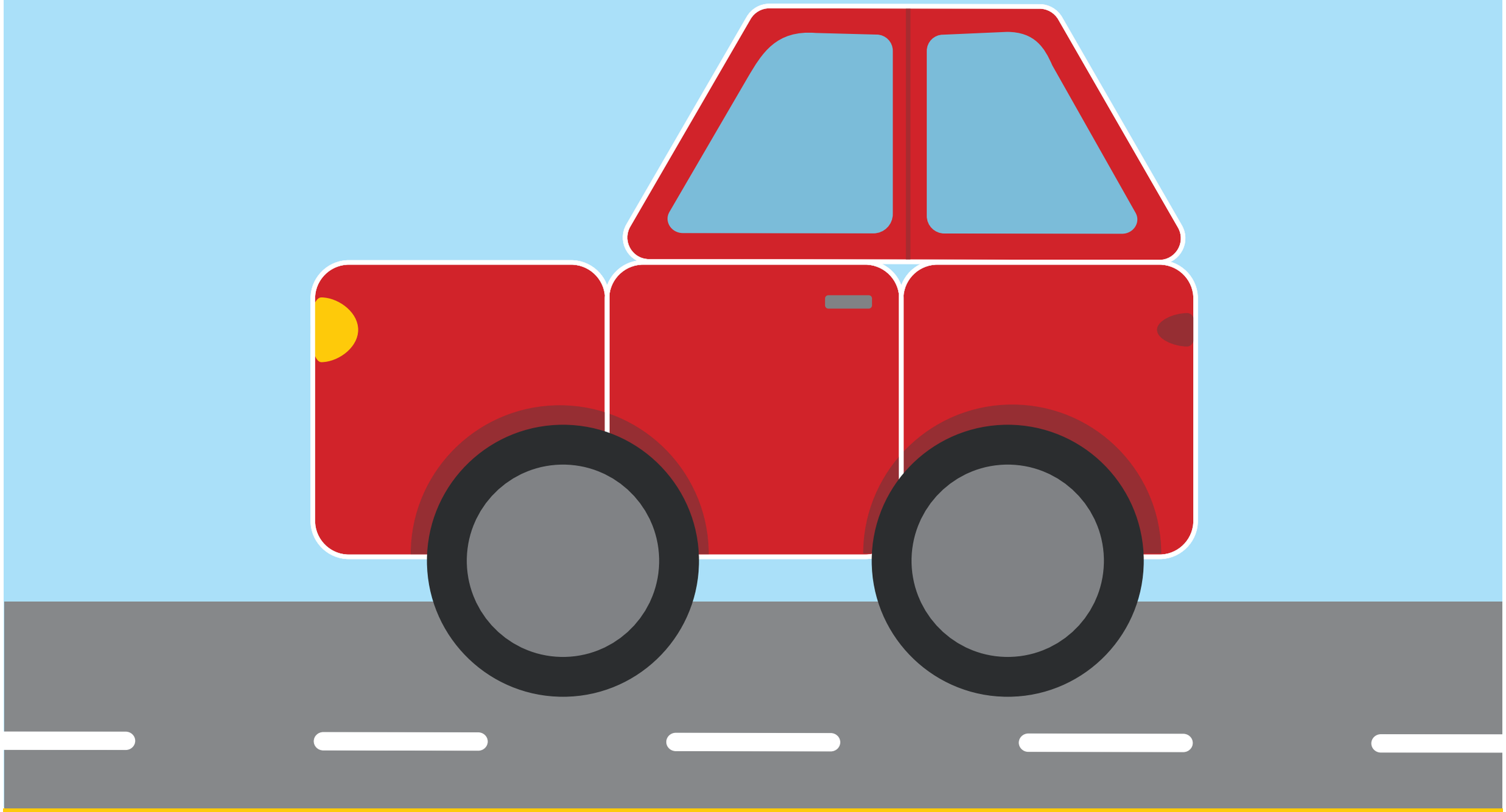

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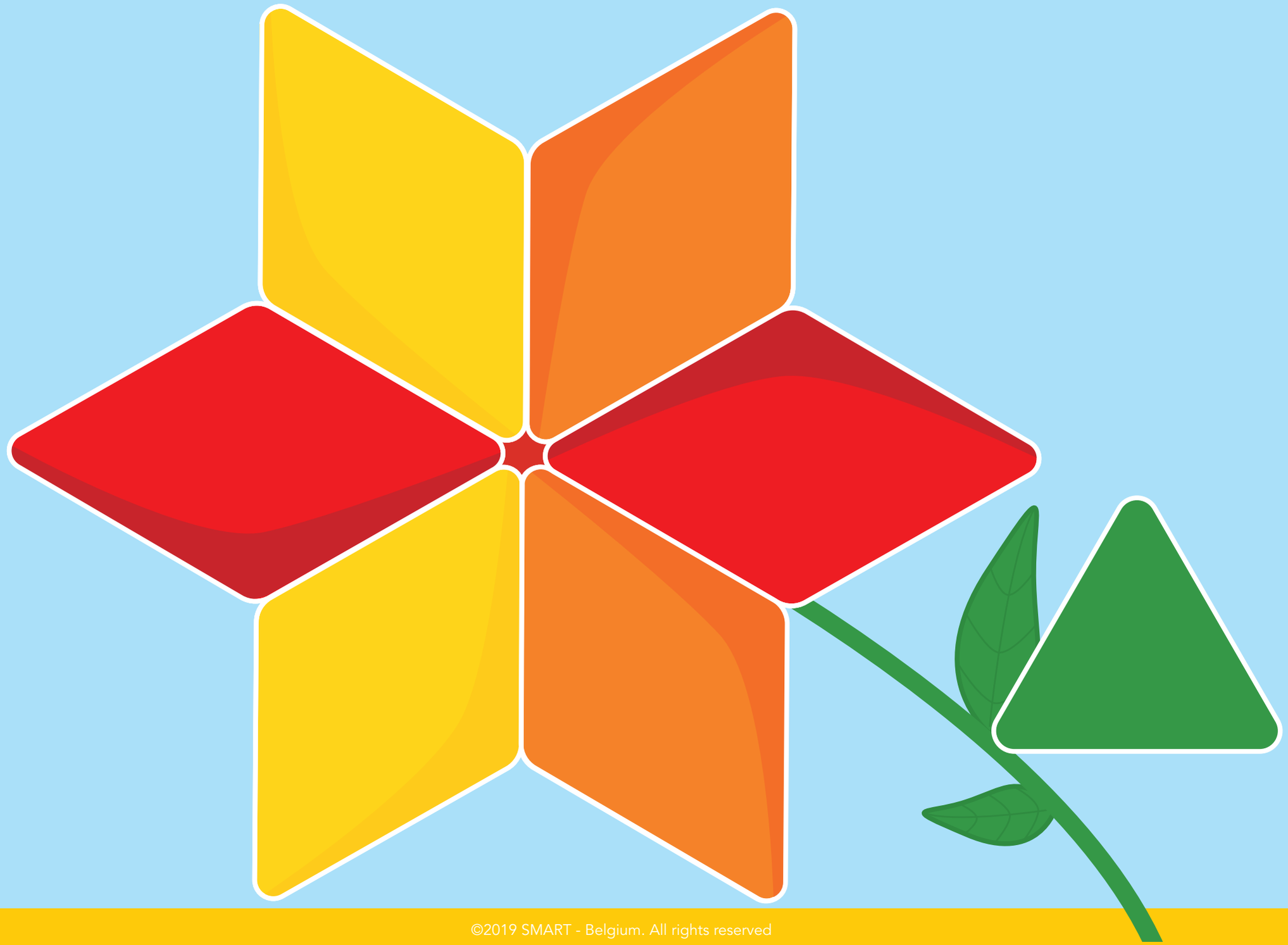
1. SHAPES AND COLOURS



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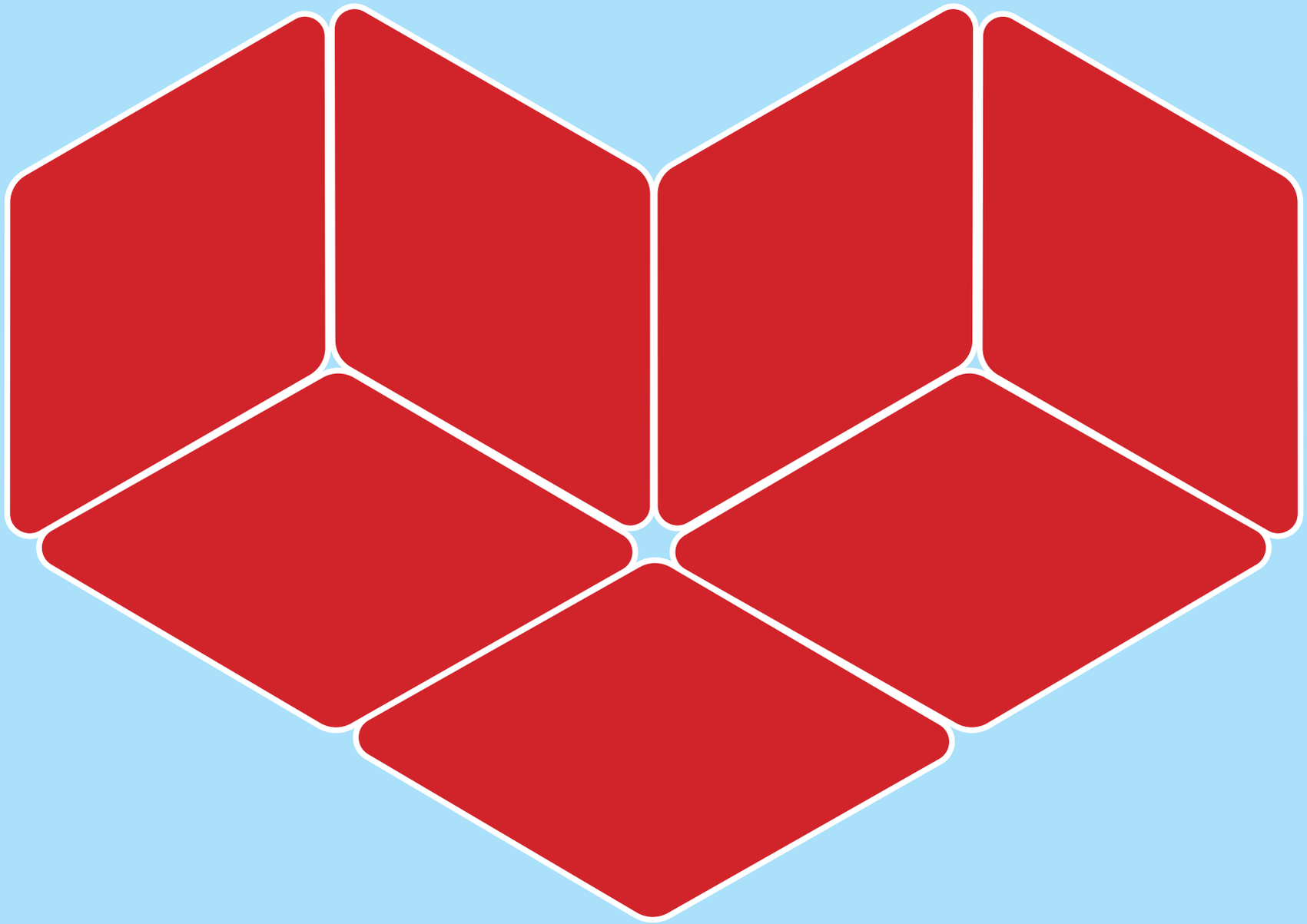

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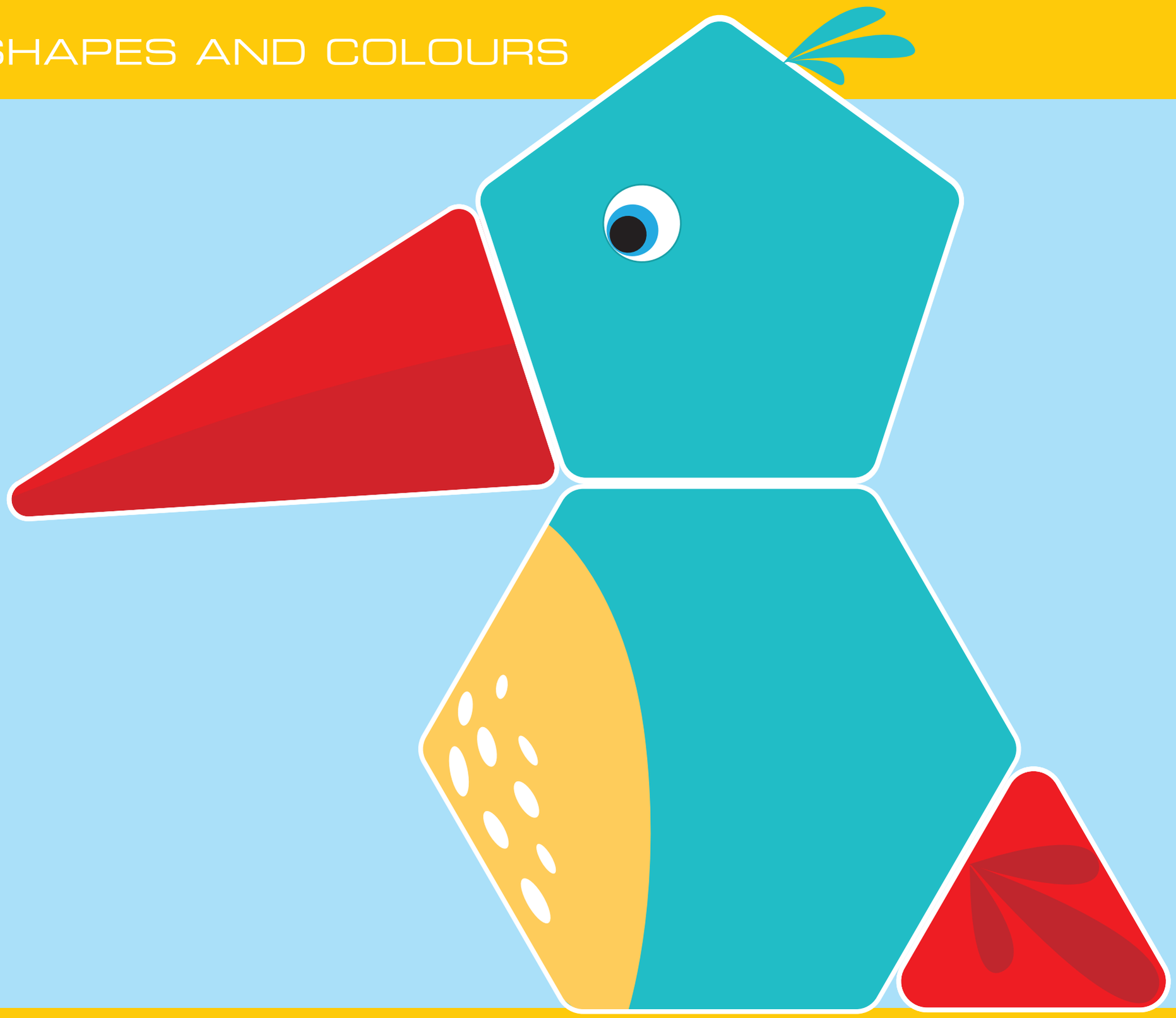

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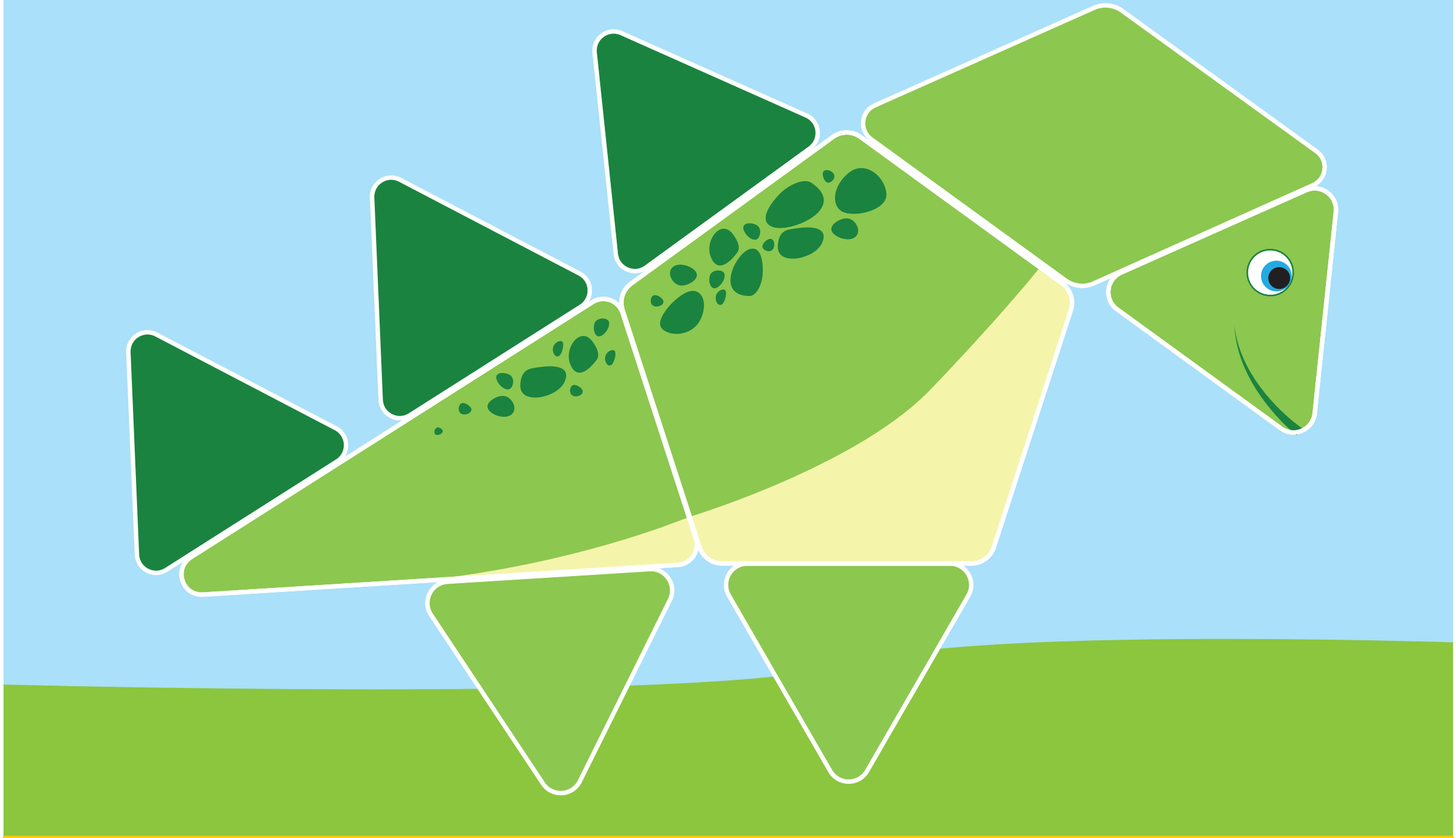

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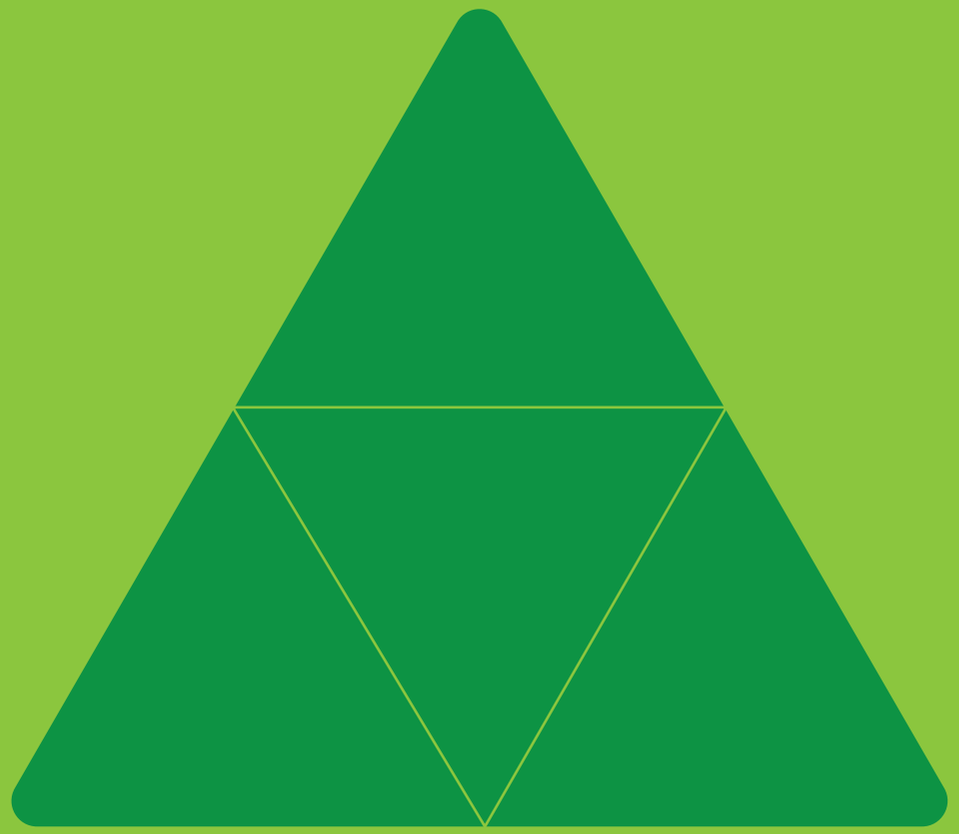

A

B

C

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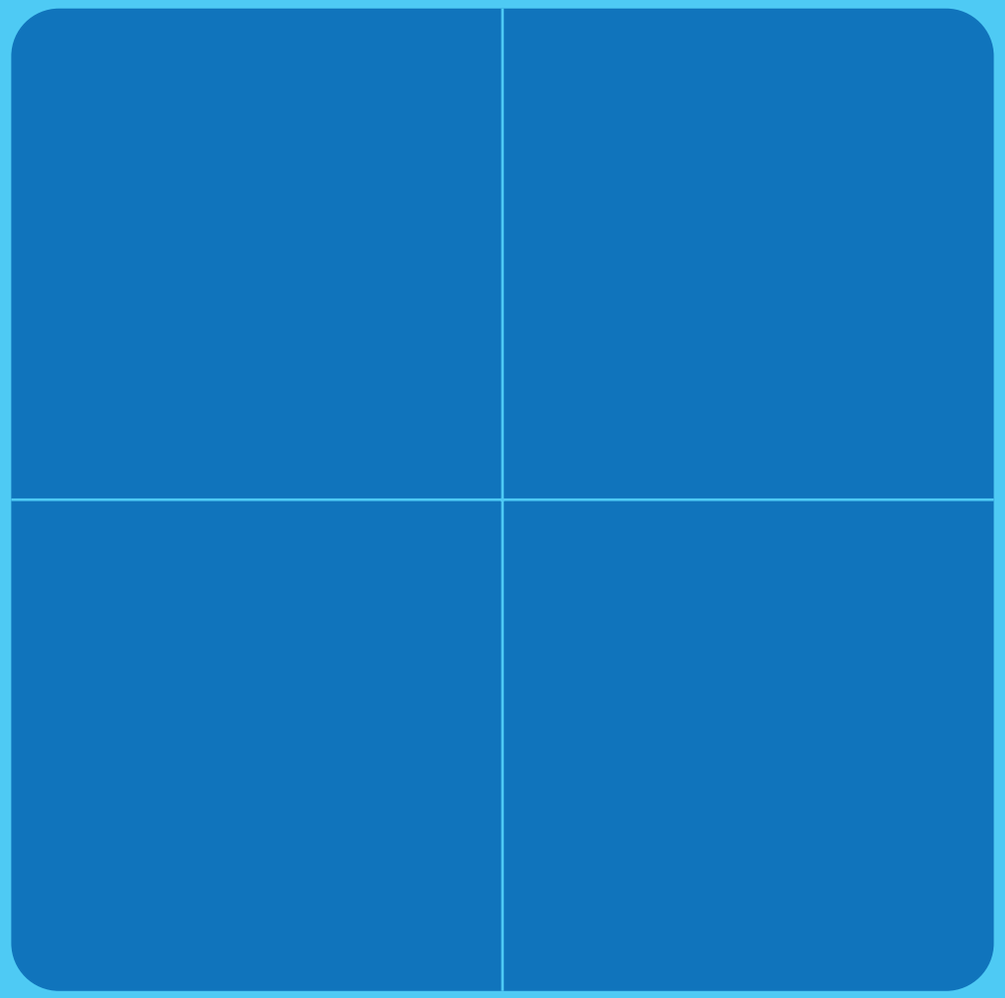

A 2

B 4

C 2 1

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2. PATTERN RECOGNITION

A 9

B 3

C 3 3

D 3 2

E 3 1

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A 12

B 1 6

C 6 2

D 6

E 6 3

F 2 2 2

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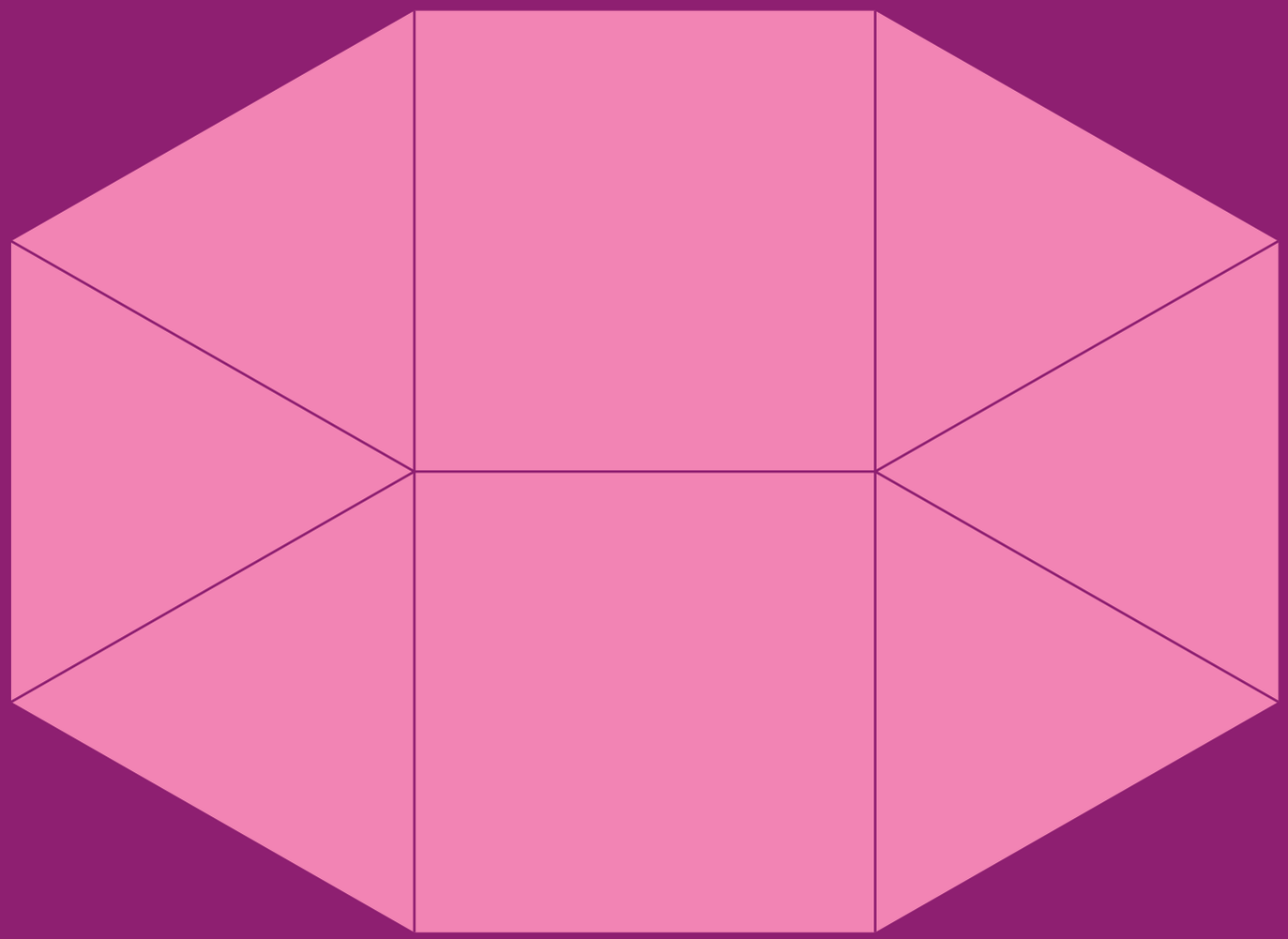

A 2 1

B 2 2

C 6 2

D 2 2 2

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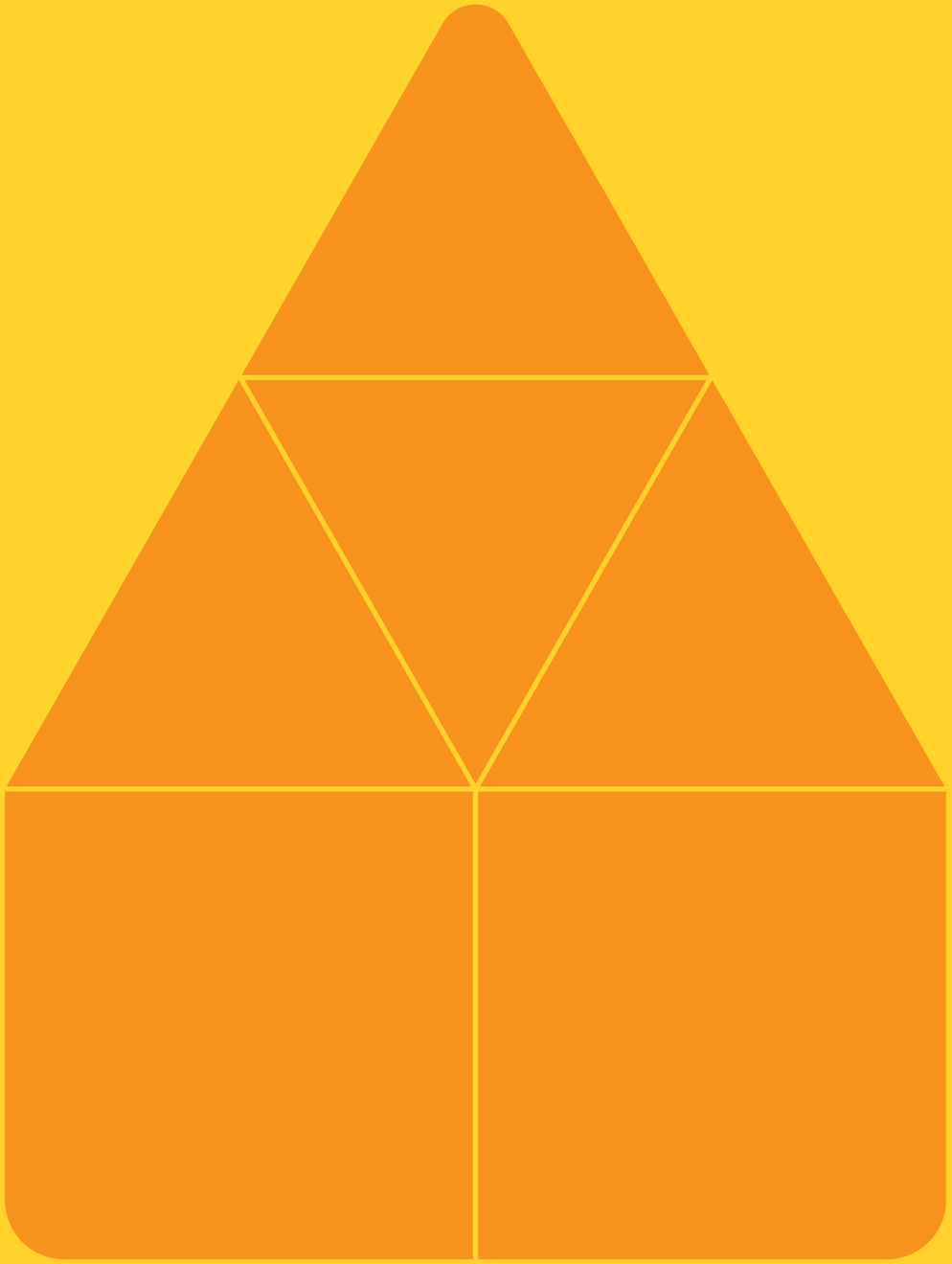

A 2 1 1

B 2 2 1

C 4 2

D 2 2 1

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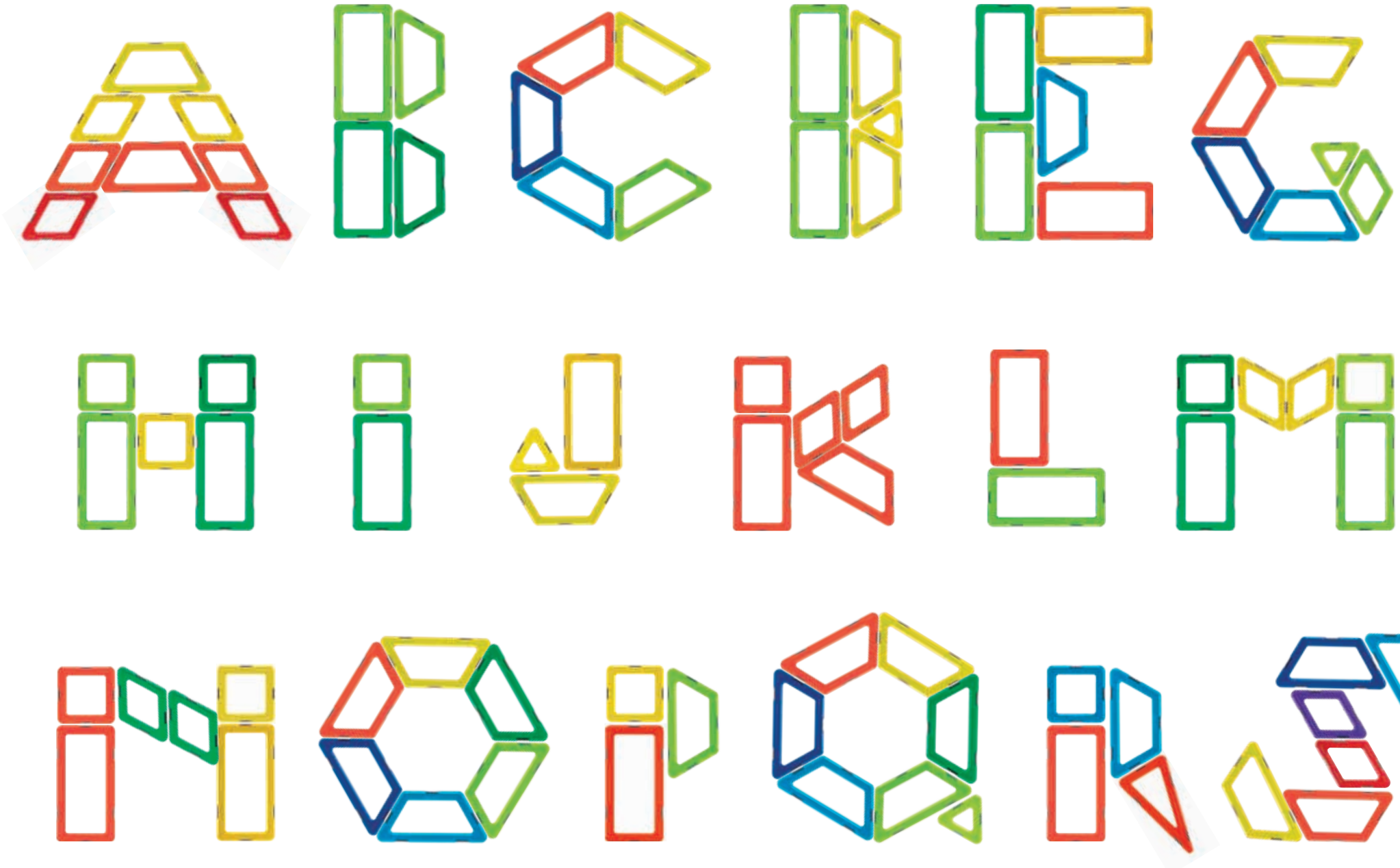

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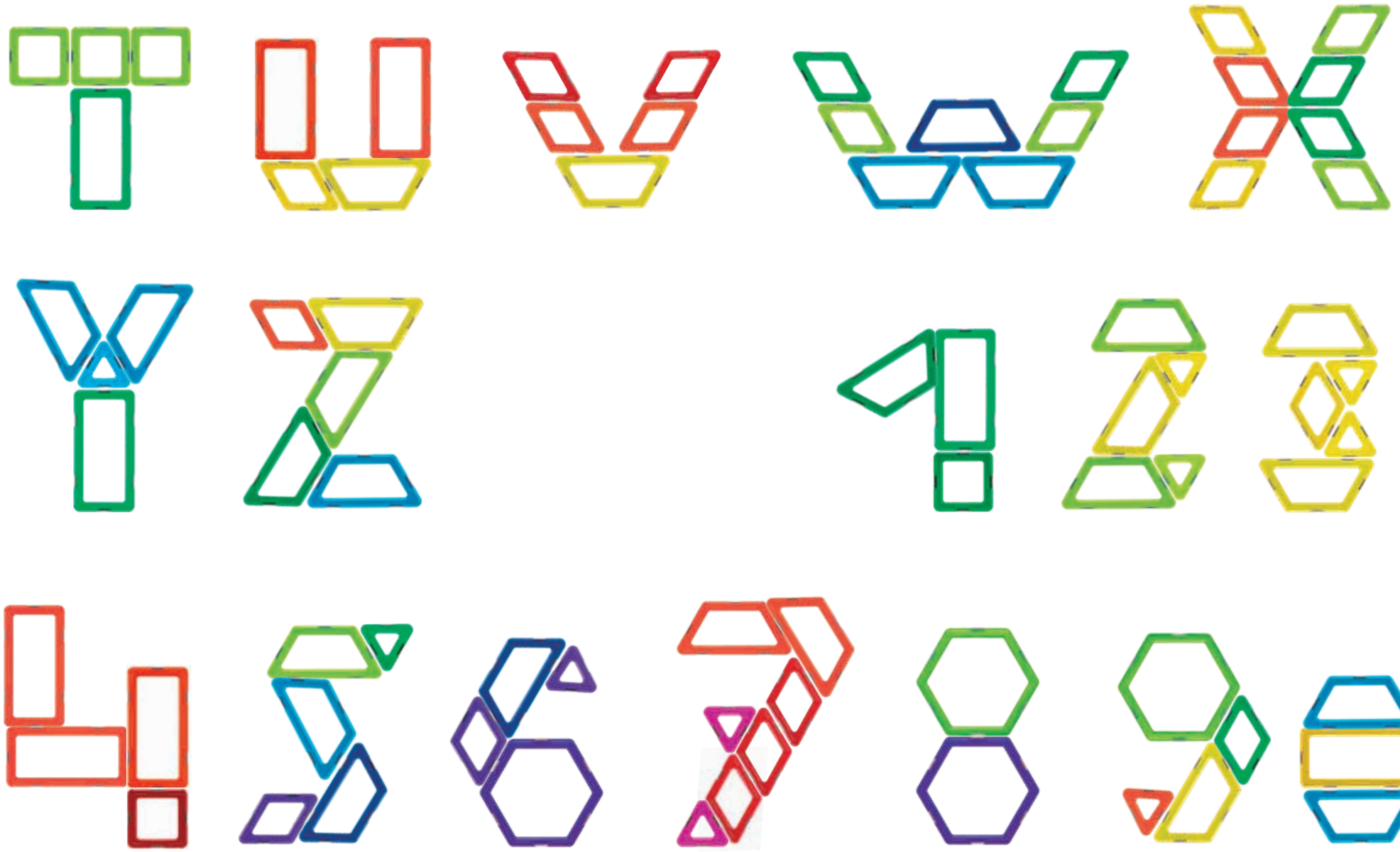

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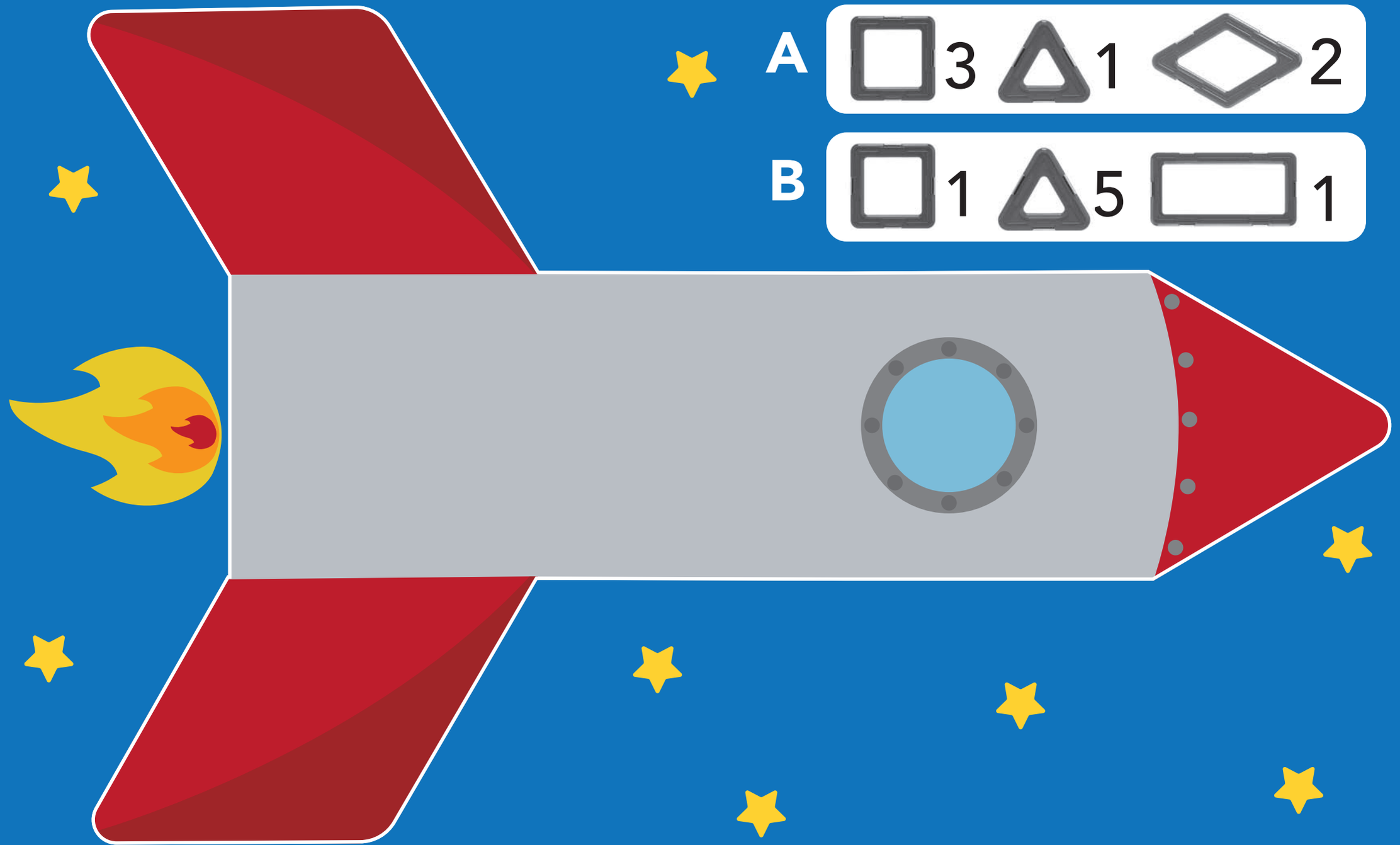
3. 2D SHAPES & FIGURES

A 3 1 2

B 1 5 1



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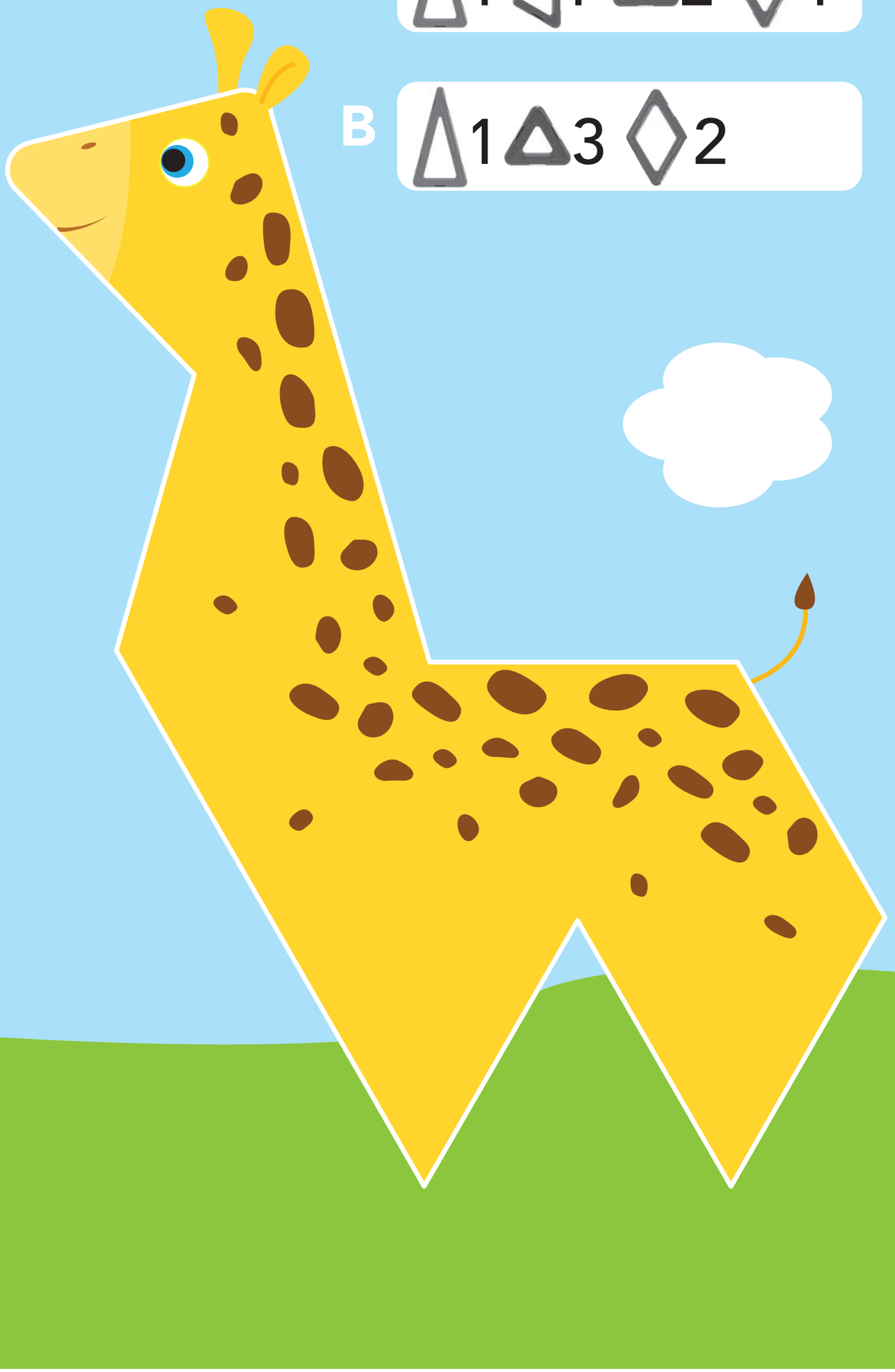
A 1 1 2 1

B 1 3 2



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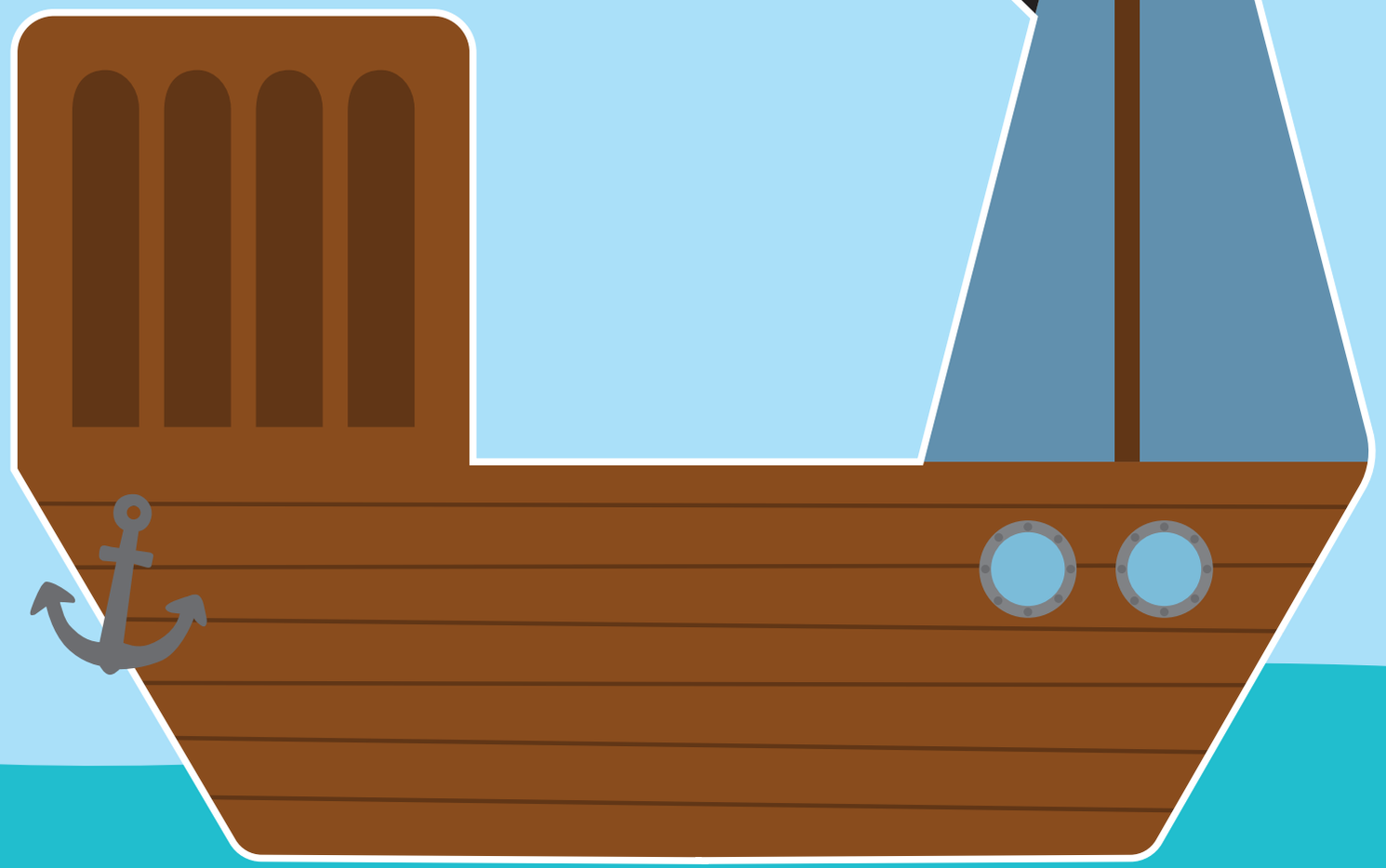
3. 2D SHAPES & FIGURES

A 1 1 1 1 1

B 1 2 1 2



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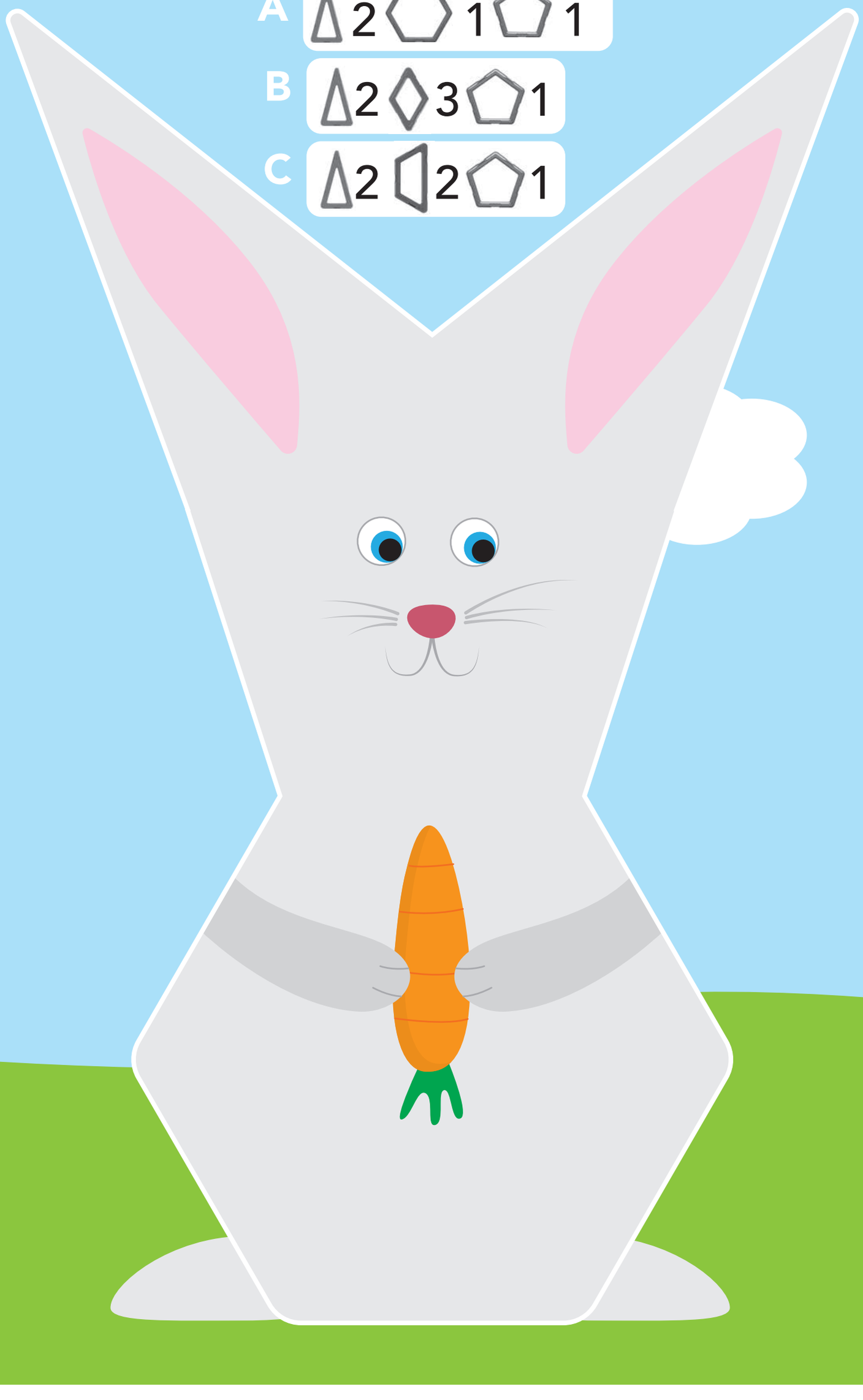
A 2 1 1

B 2 3 1

C 2 2 1



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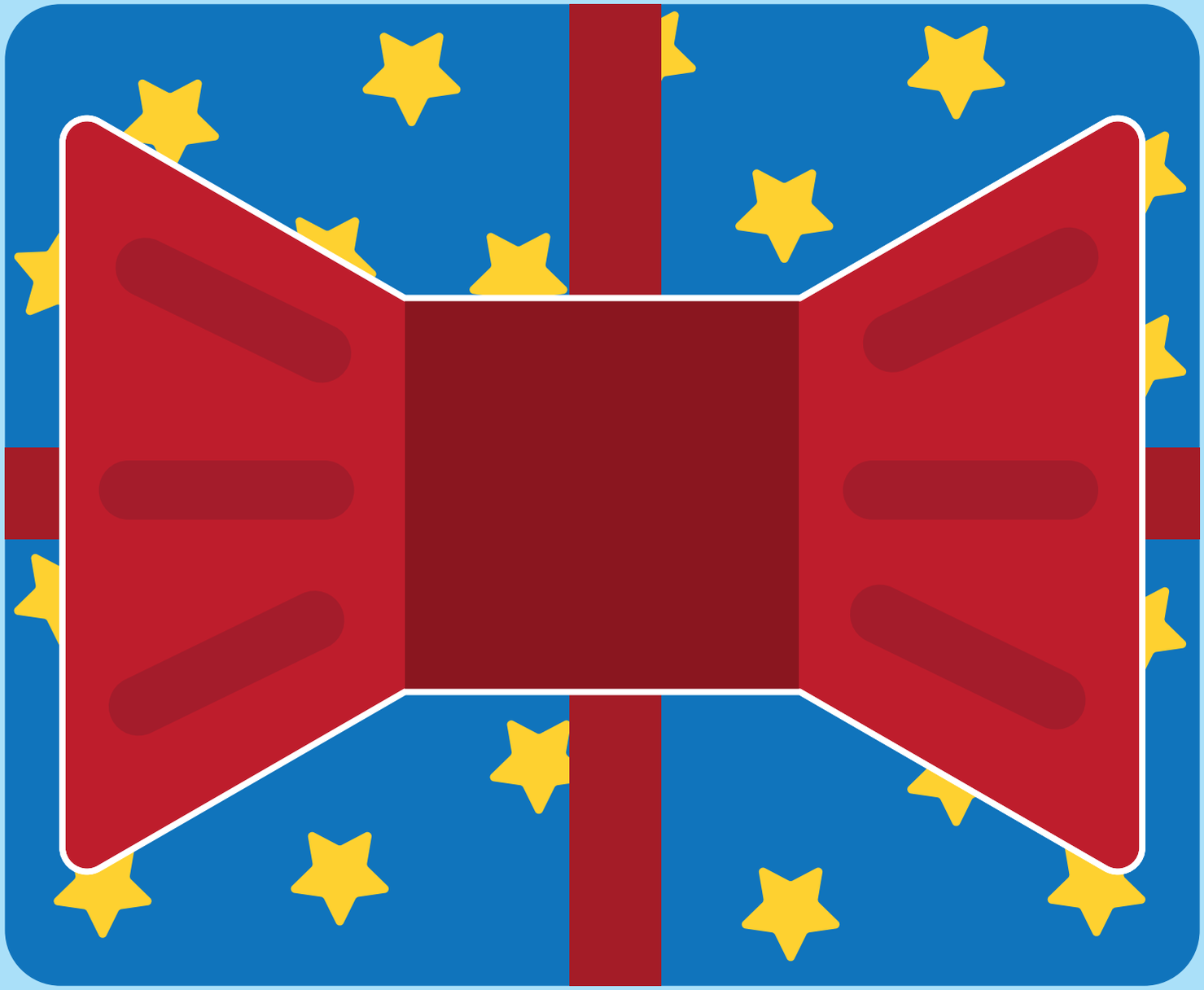
A 2 1

B 6 1

C 2 1 2



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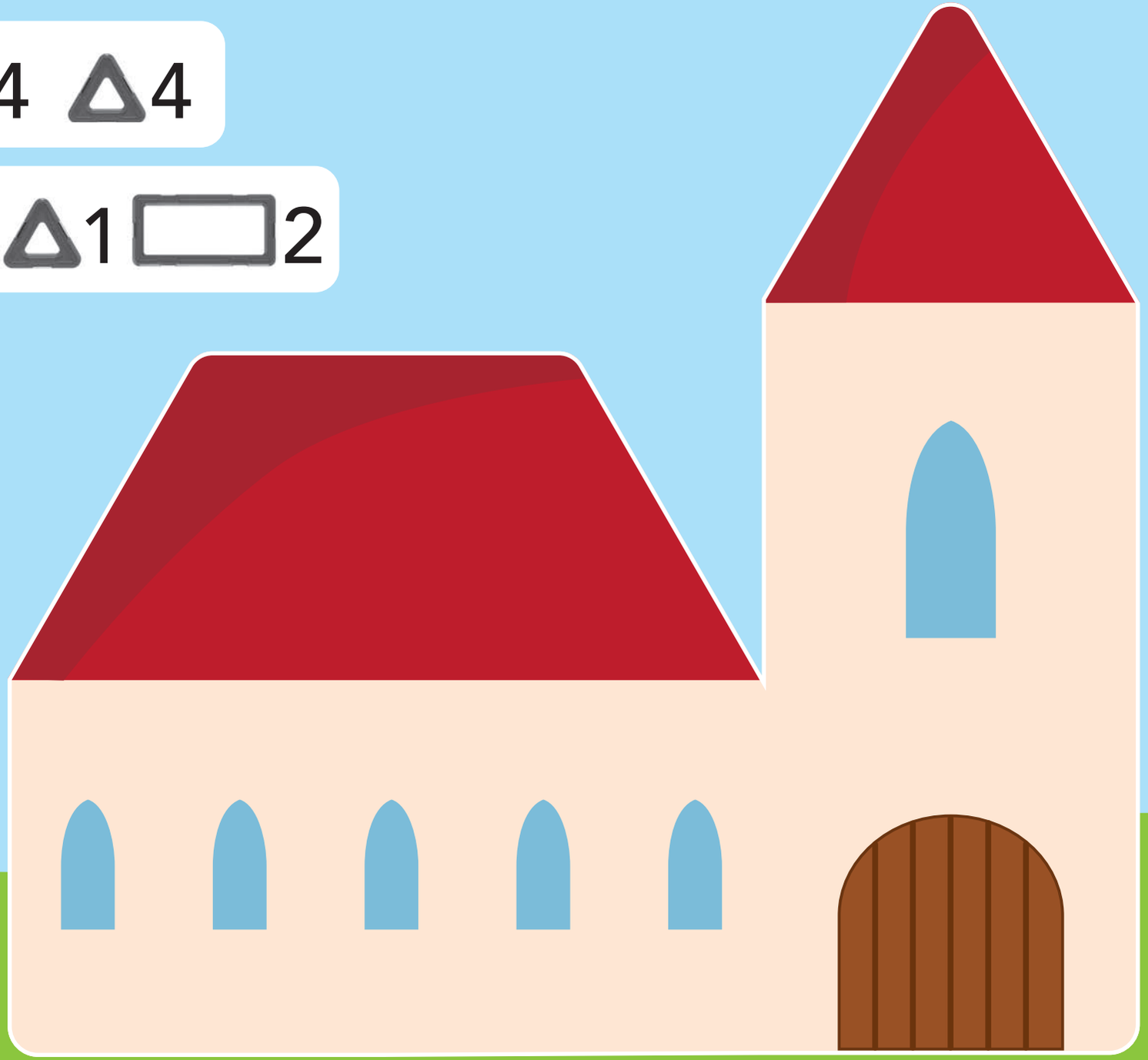
A 4 4

B 1 1 2



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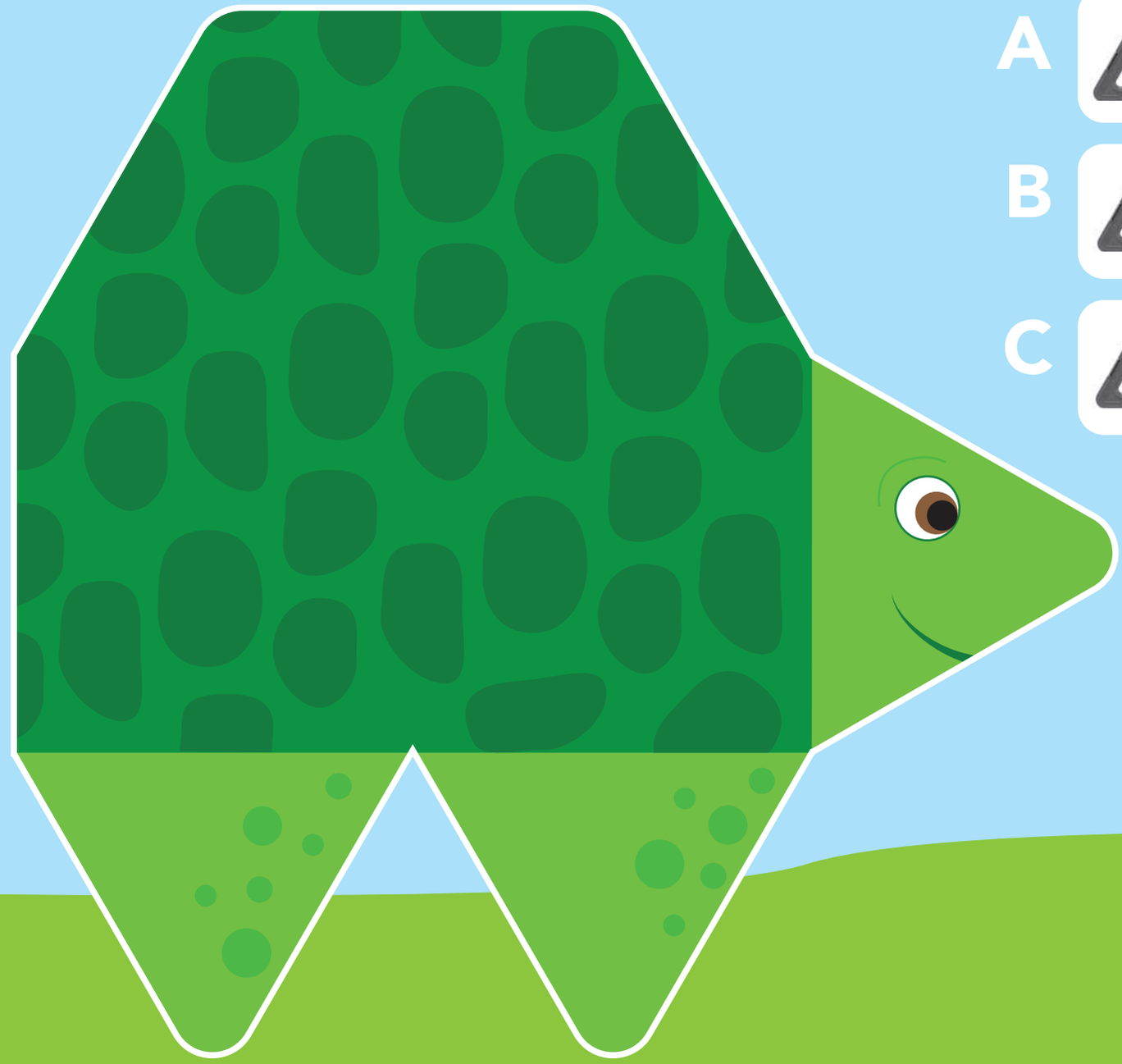
3. 2D SHAPES & FIGURES



A 6 2

B 3 1 1

C 4 2 1

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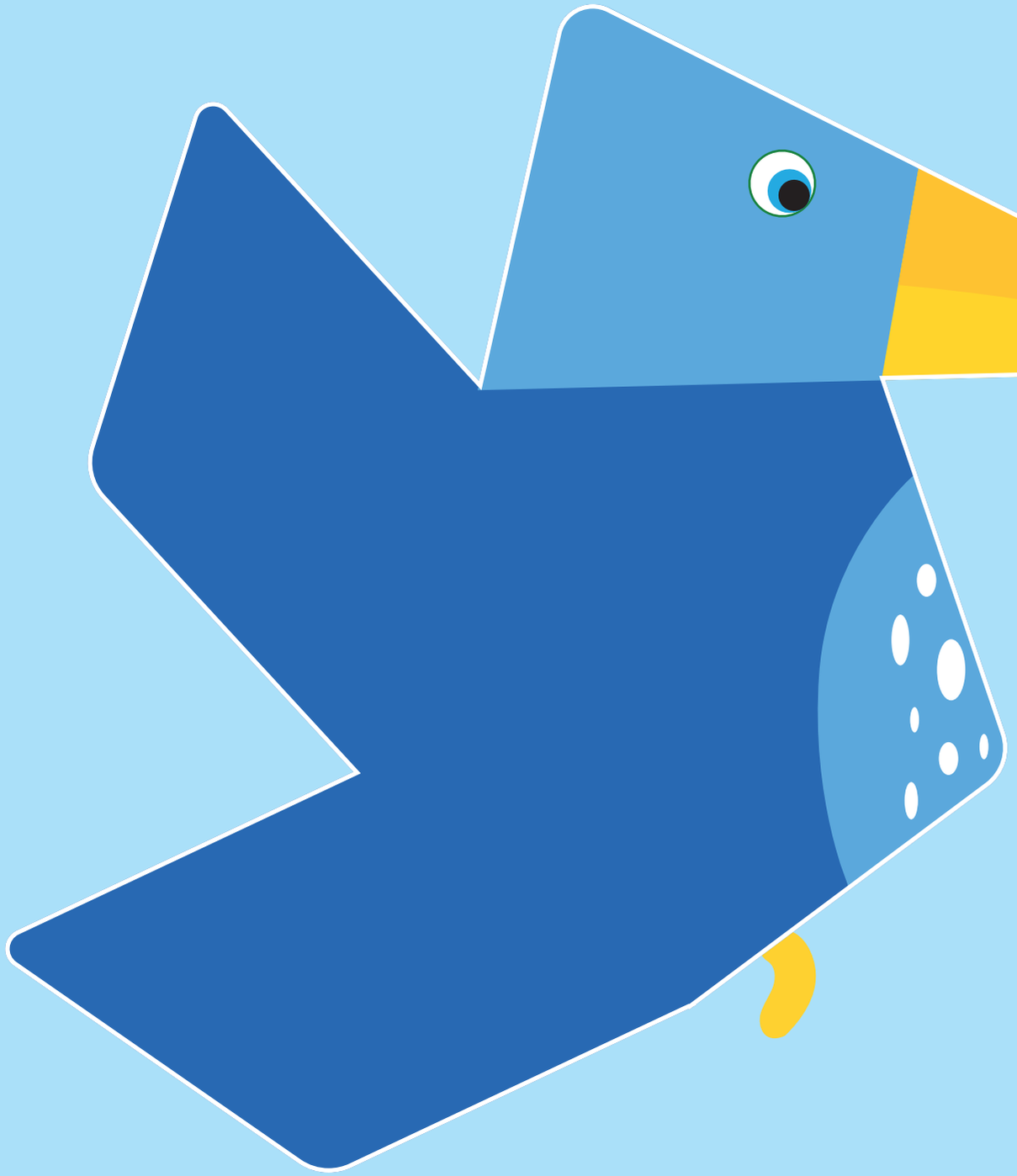

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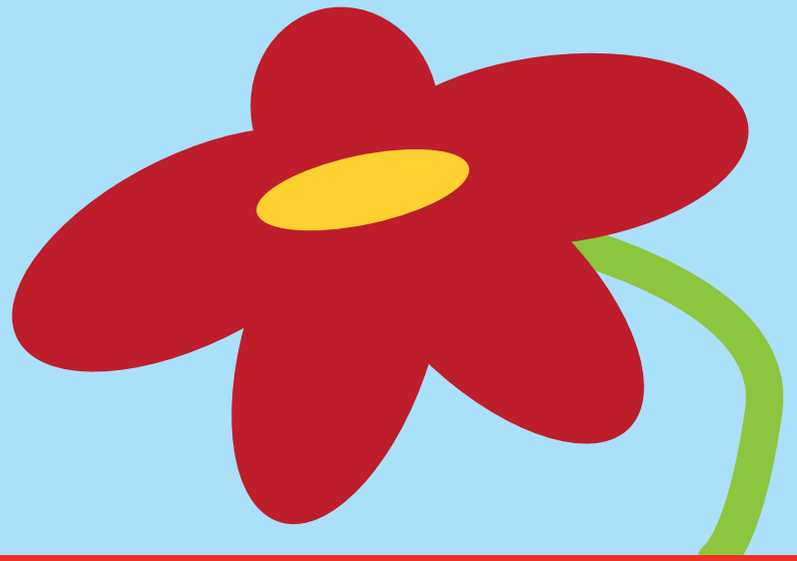

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A

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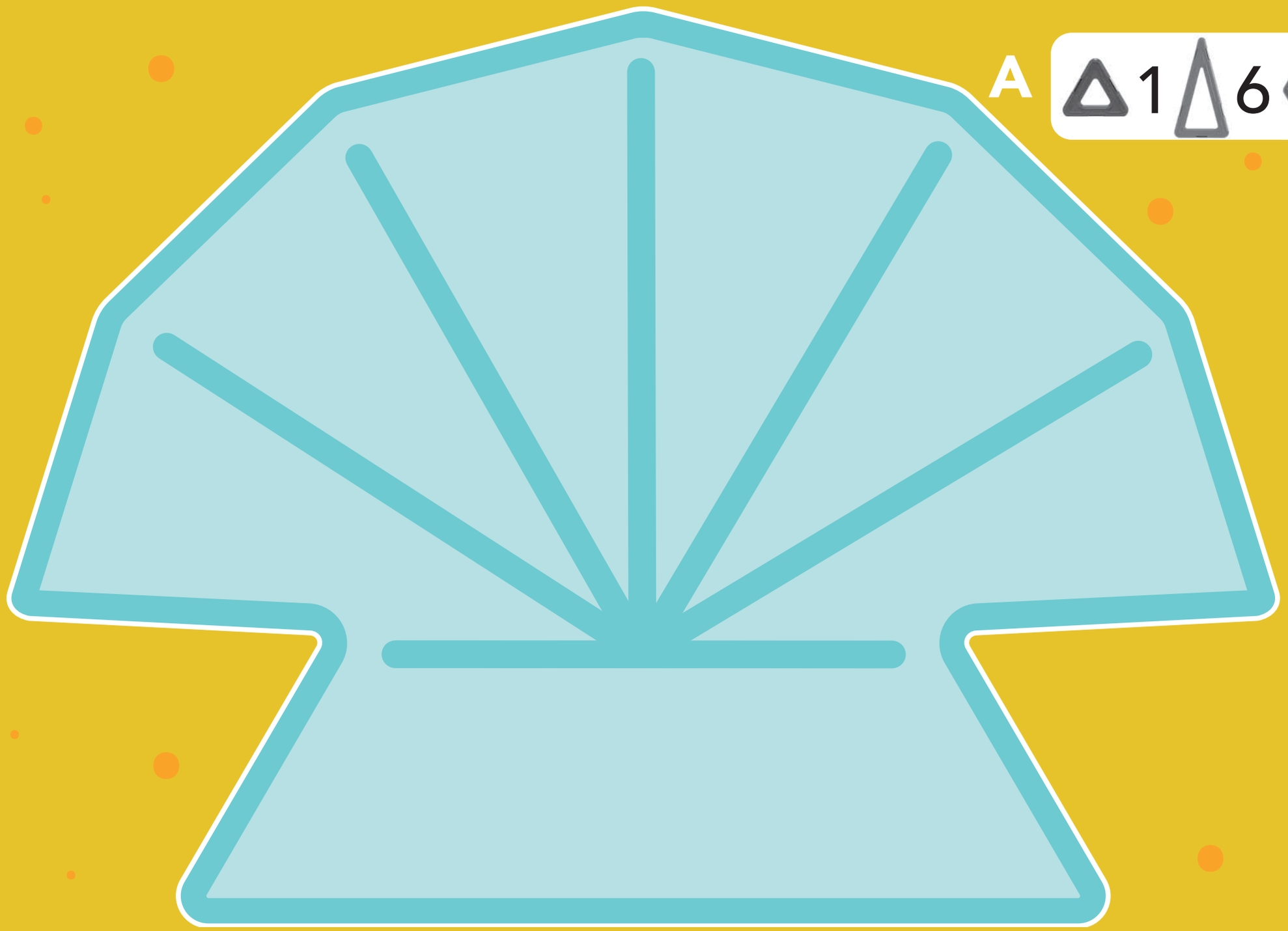
A



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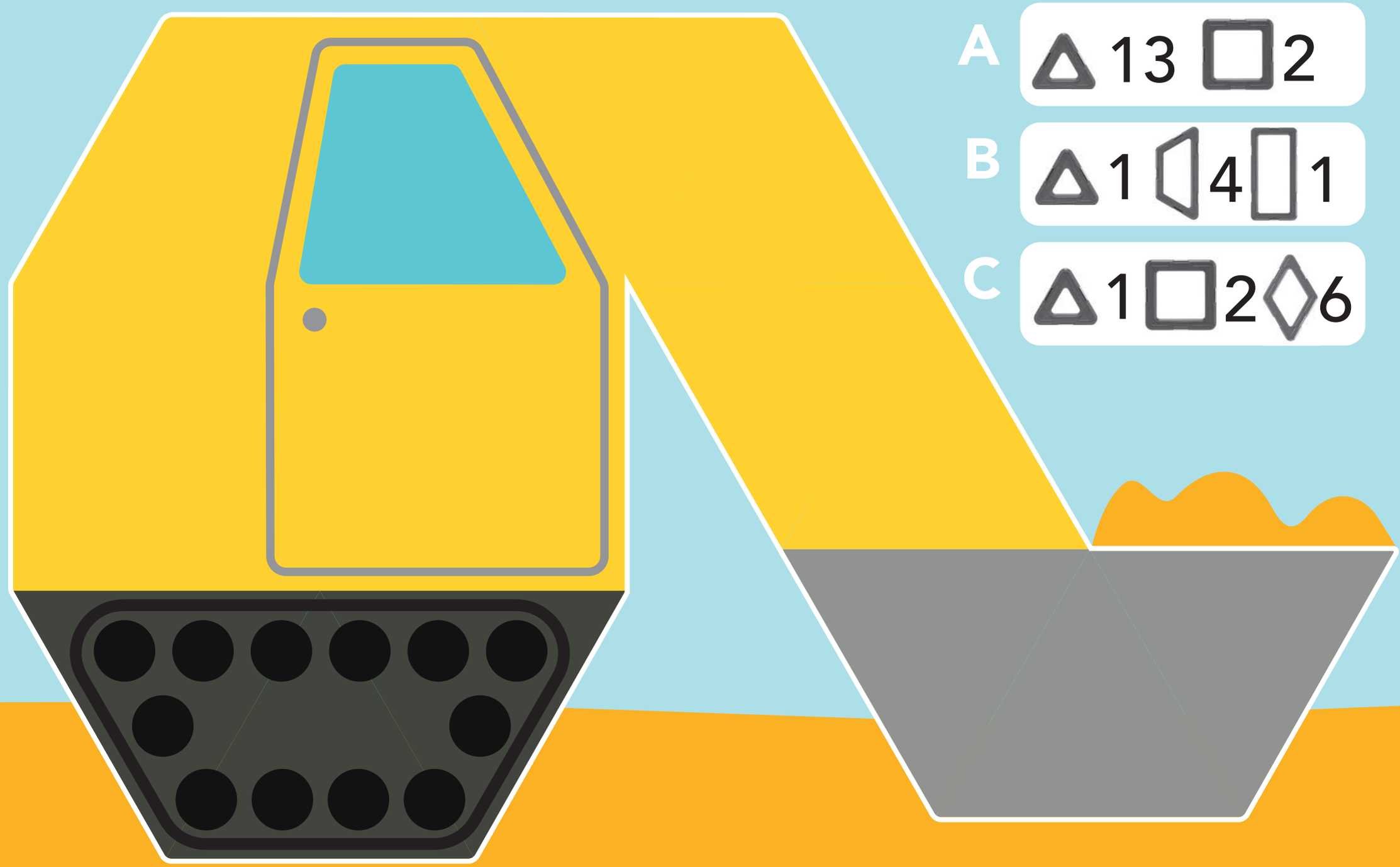
3. 2D SHAPES & FIGURES



A 13 2

B 1 4 1

C 1 2 6

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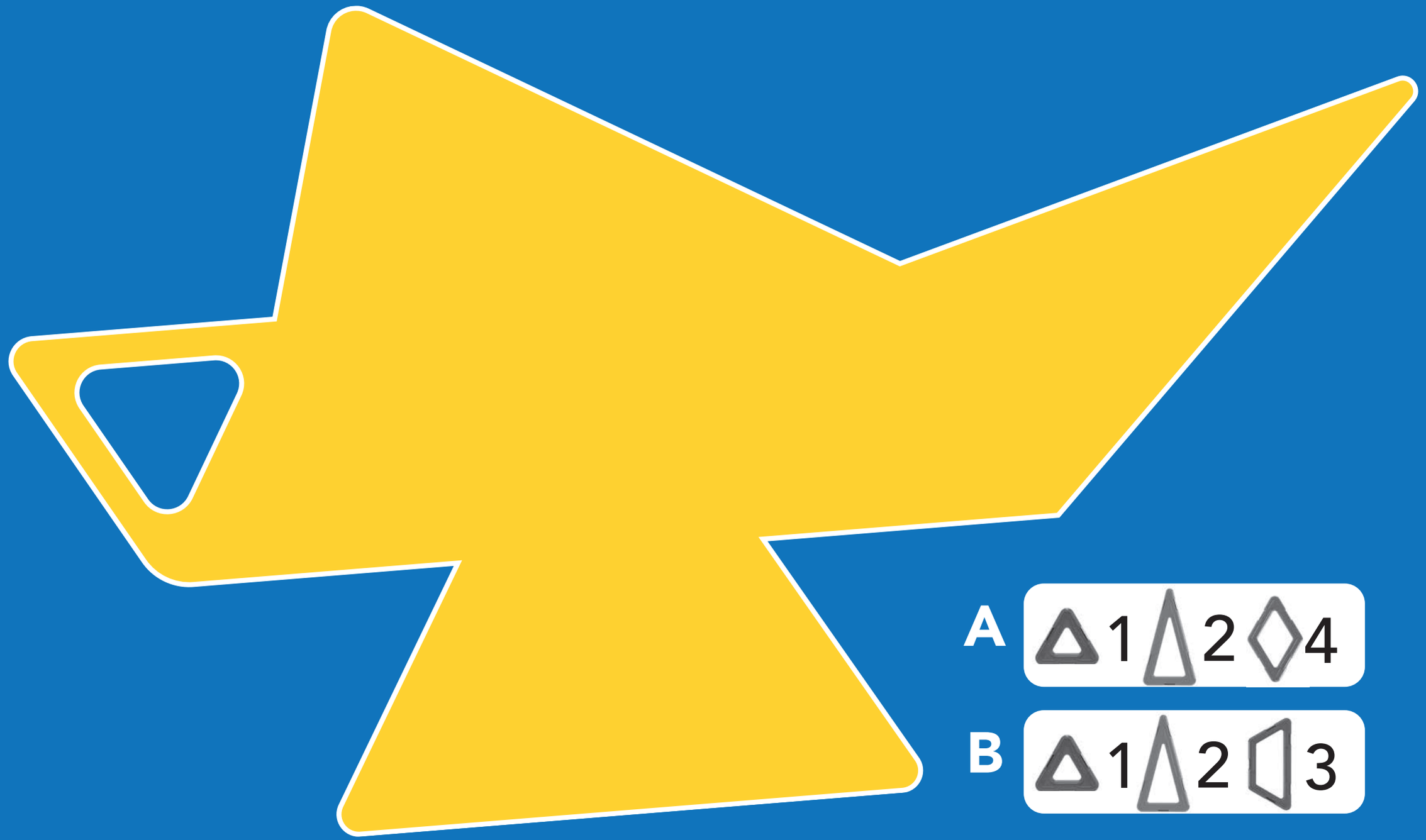

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4. 3D BASIC FIGURES

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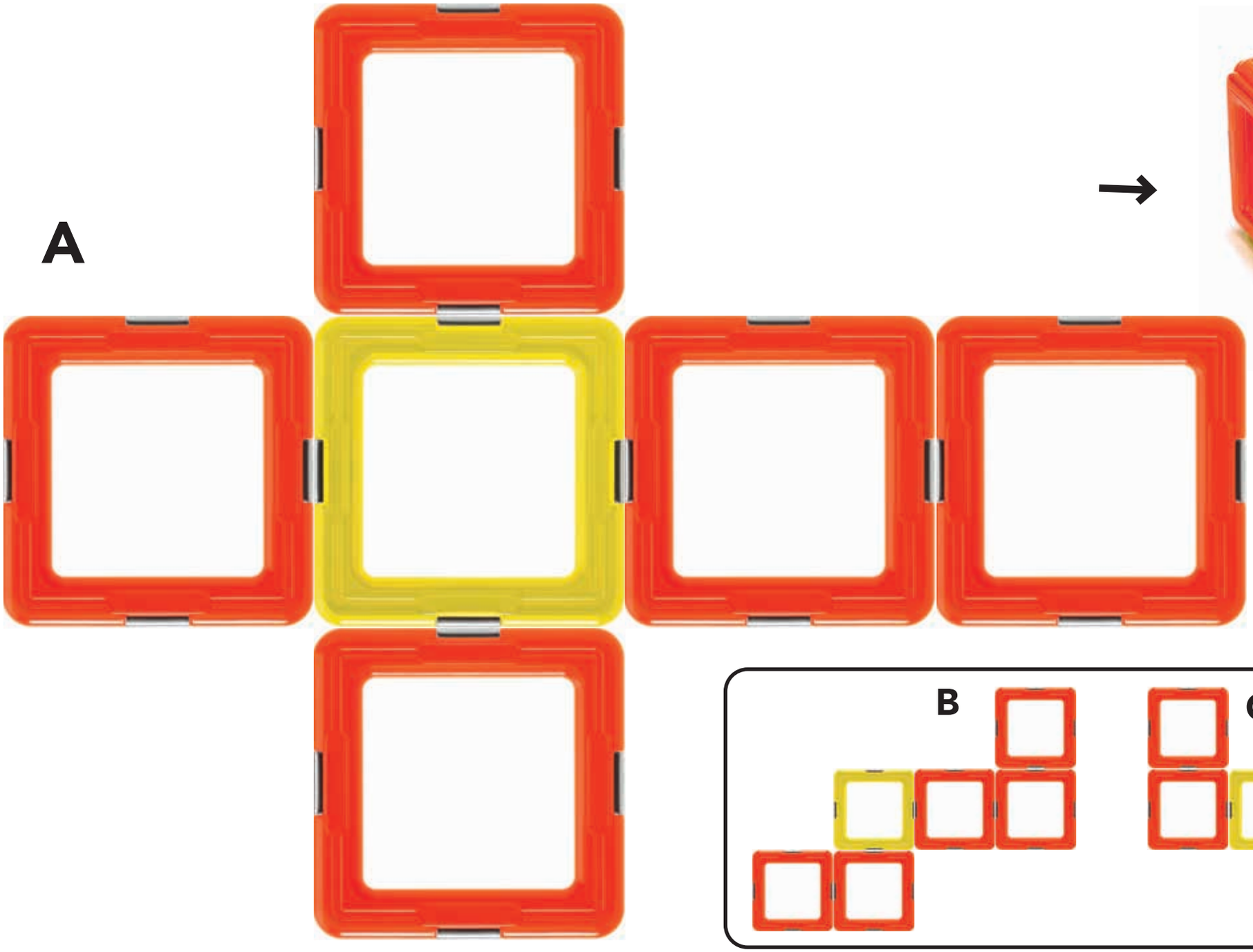

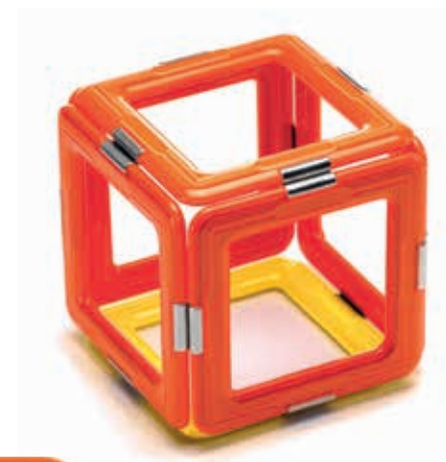

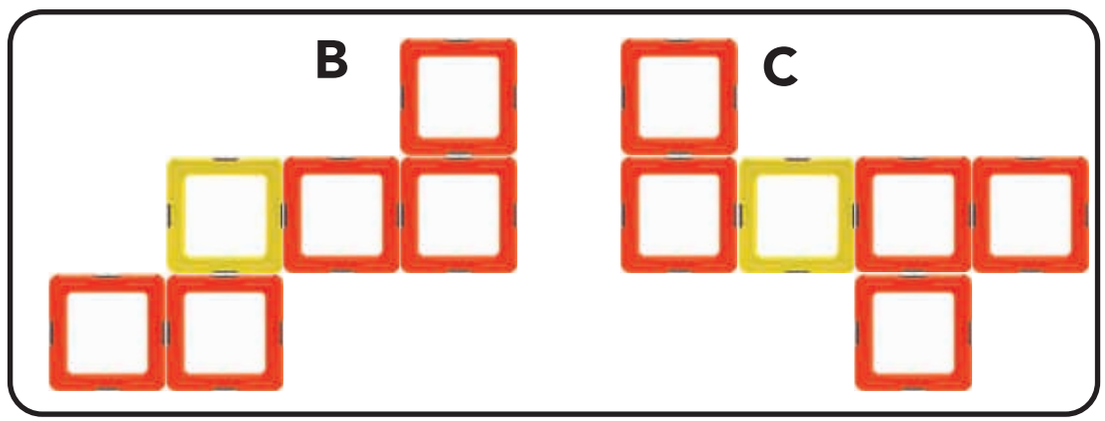

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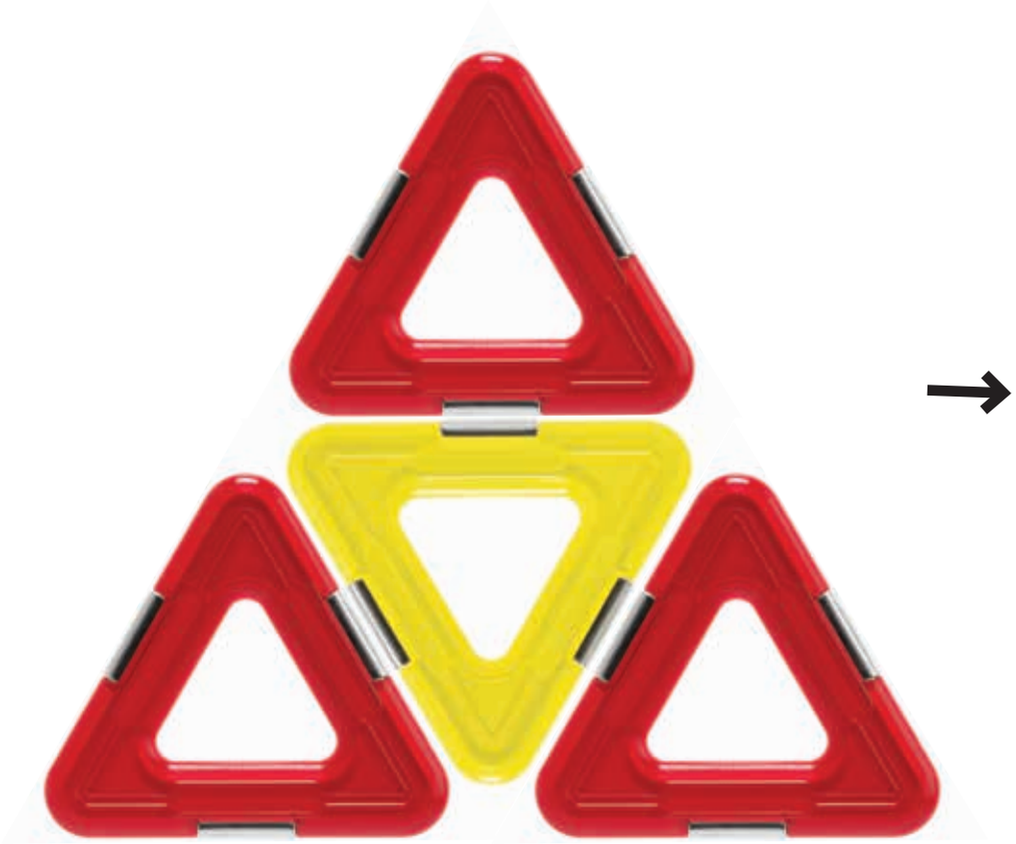

B

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4. 3D BASIC FIGURES

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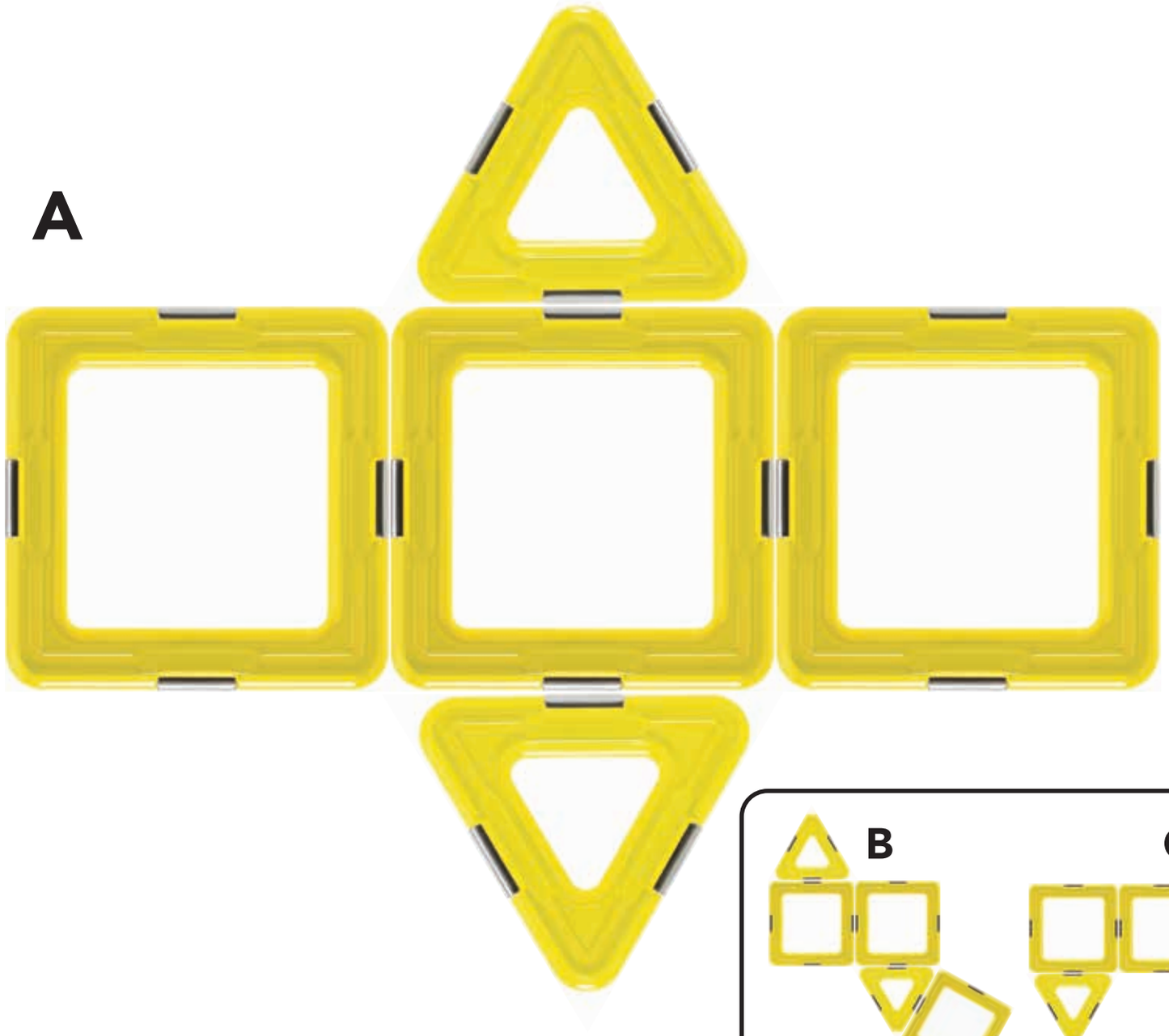

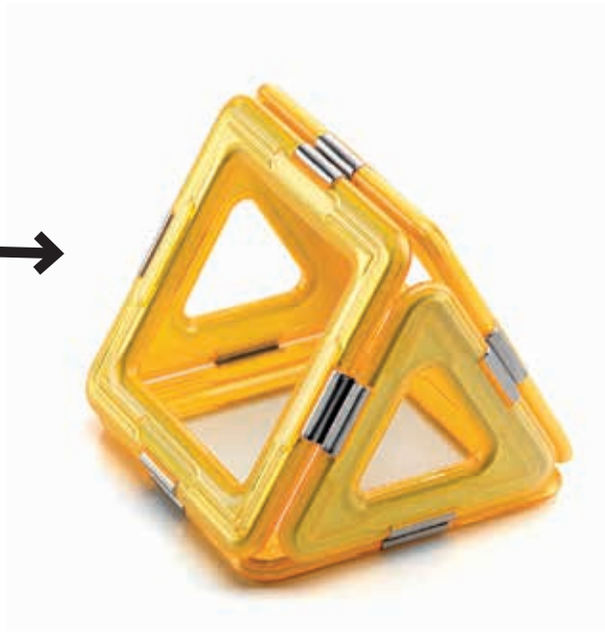

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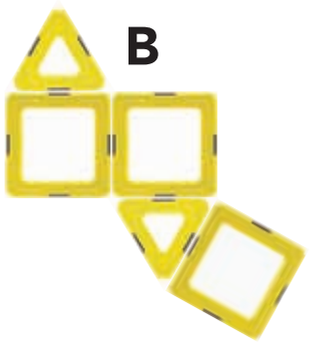

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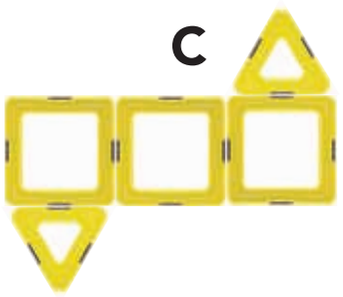

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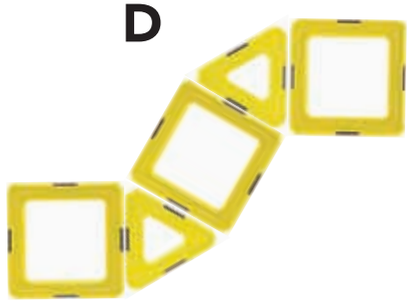

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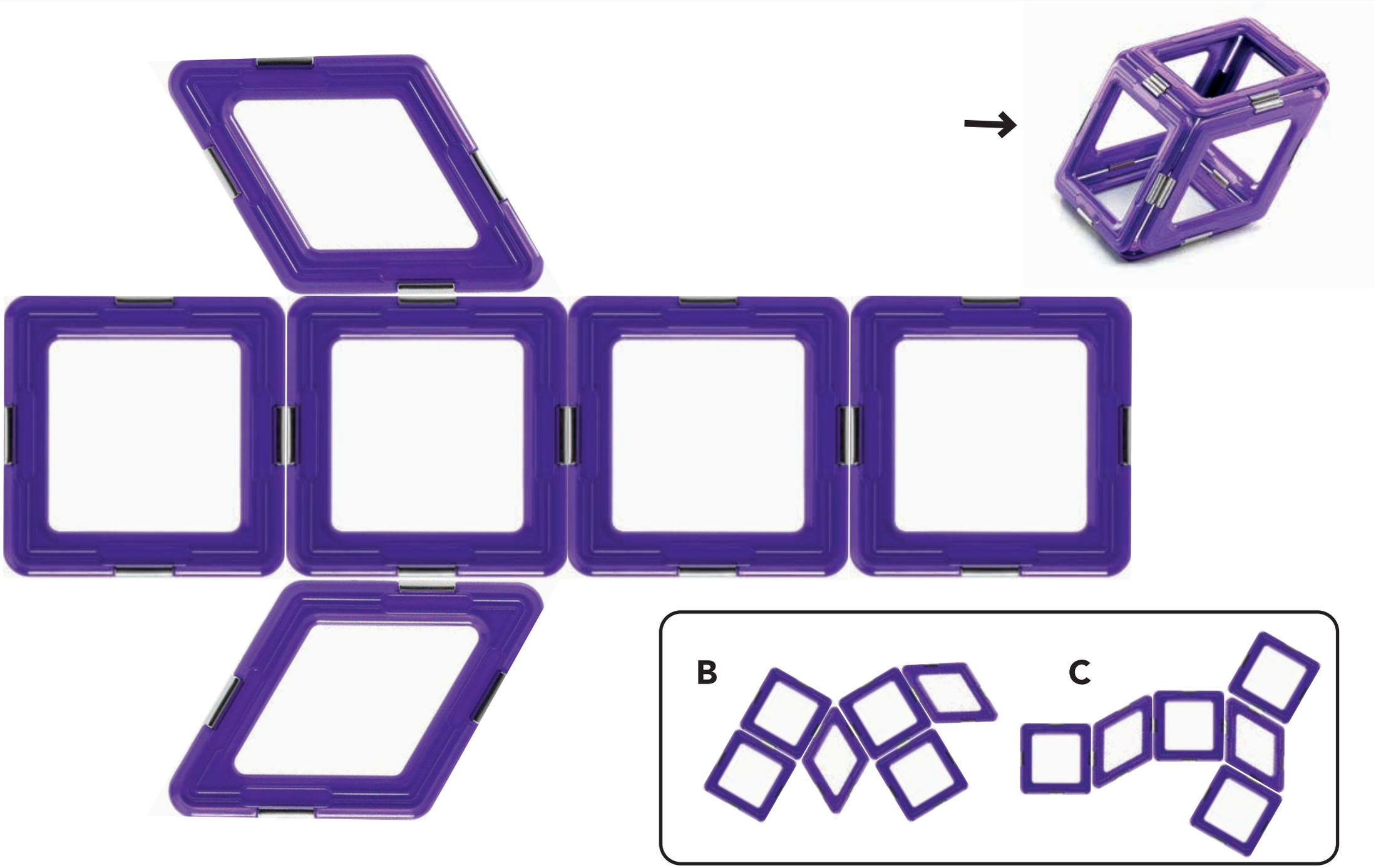

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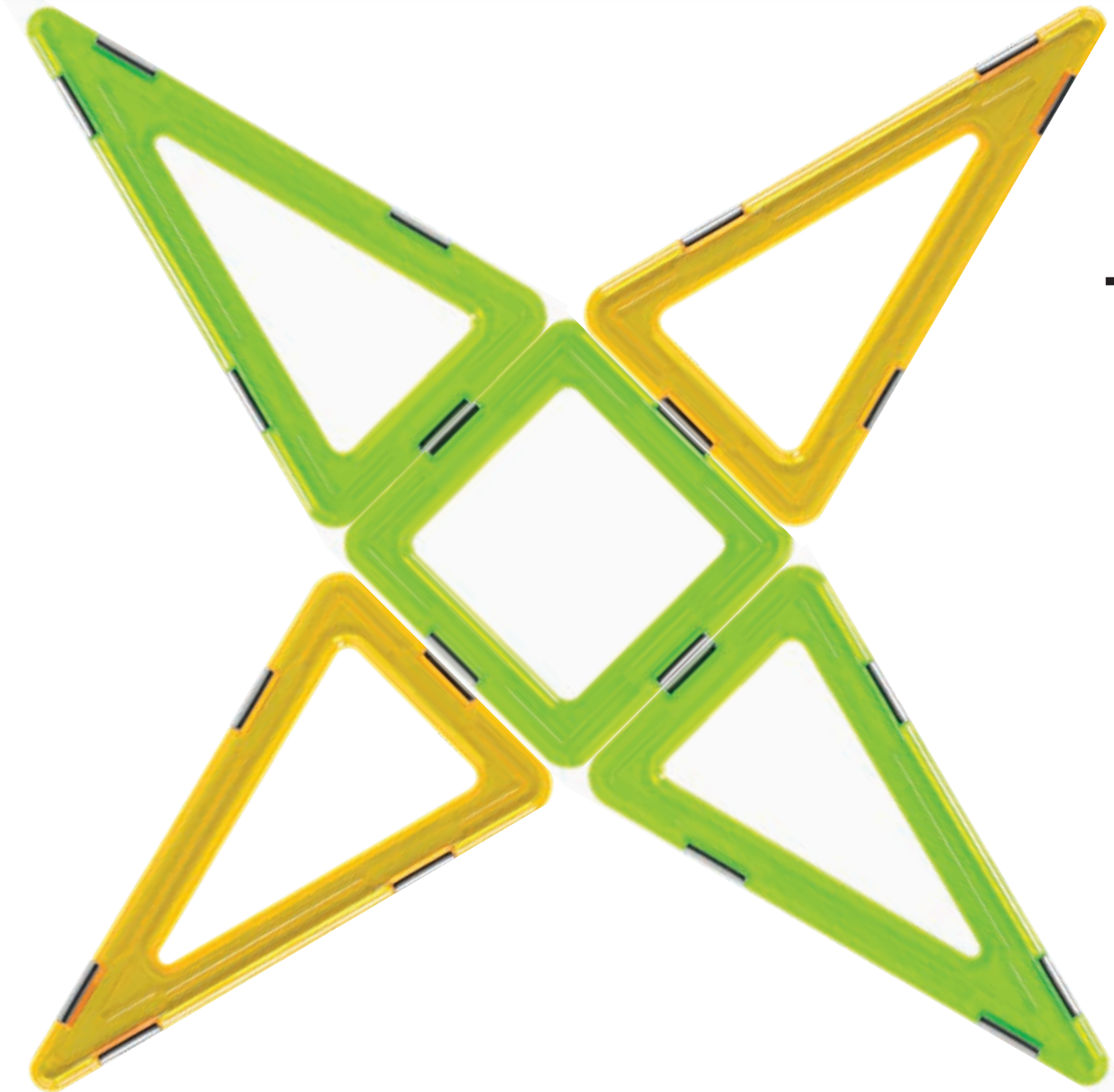
4. 3D BASIC FIGURES



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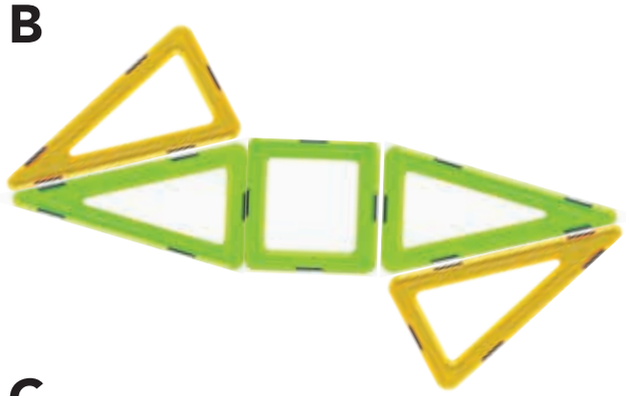

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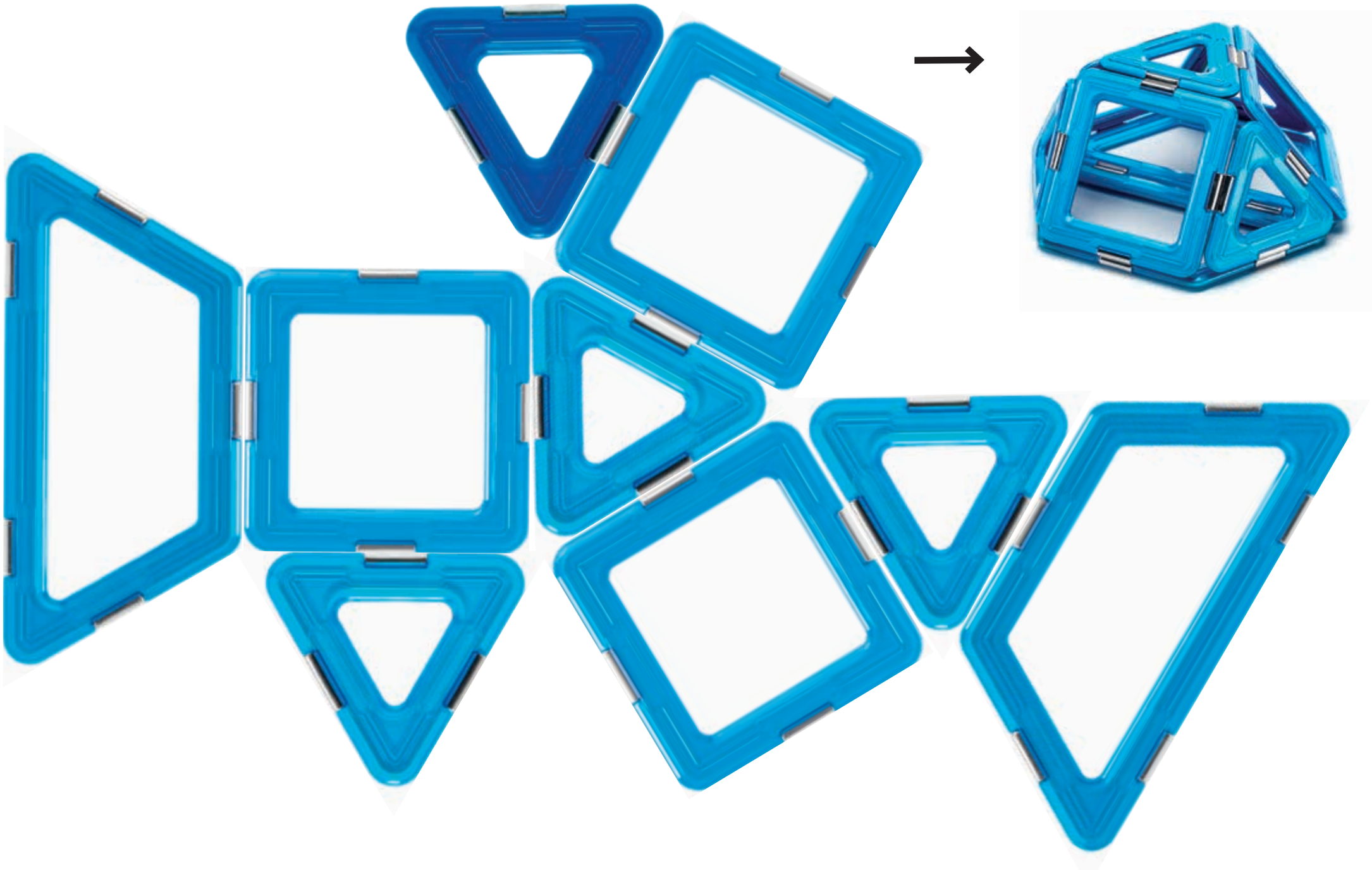

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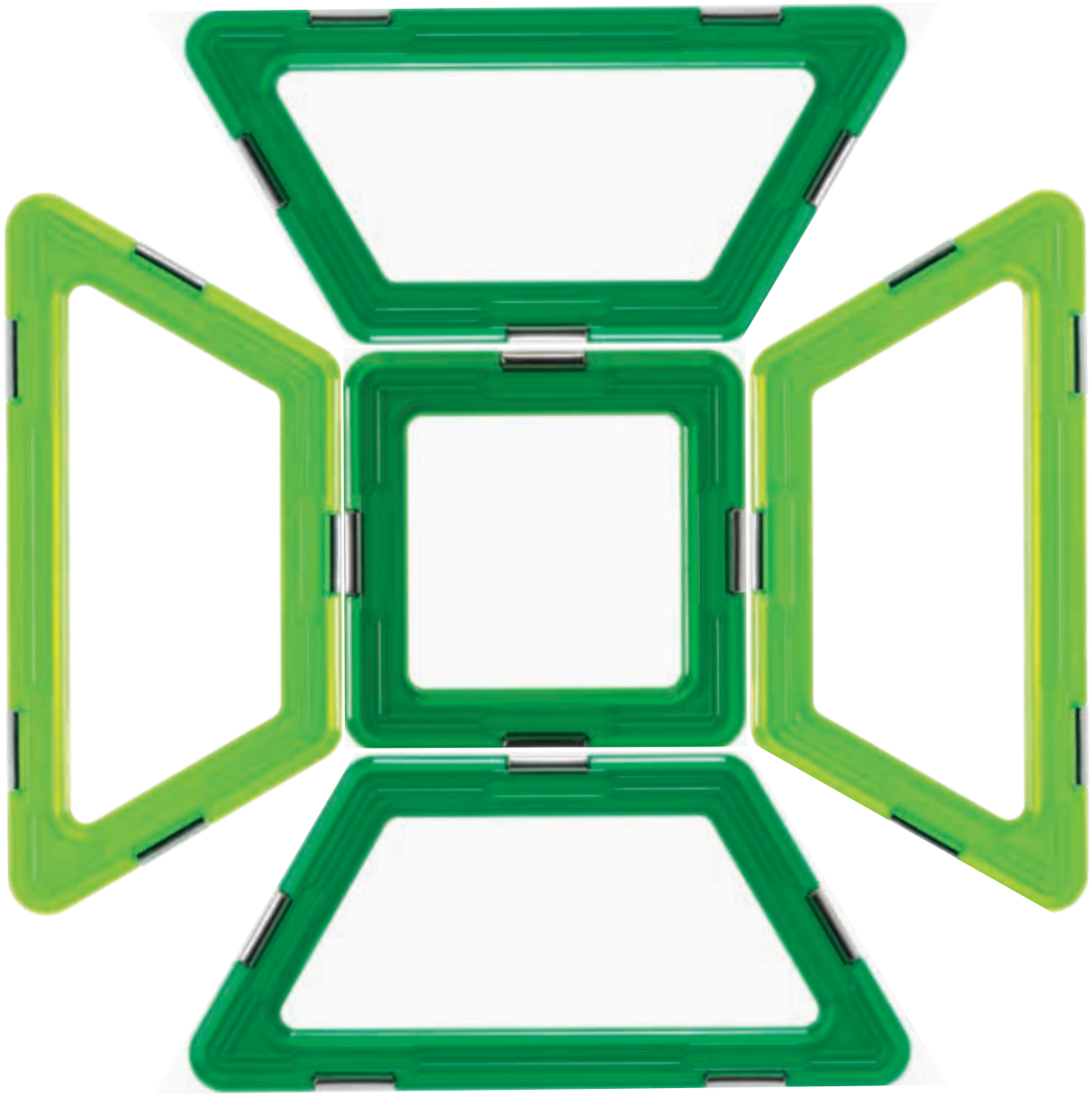
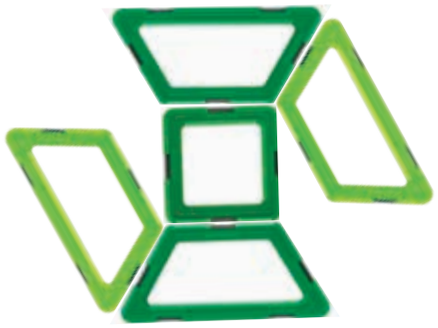
4. 3D BASIC FIGURES



B

C



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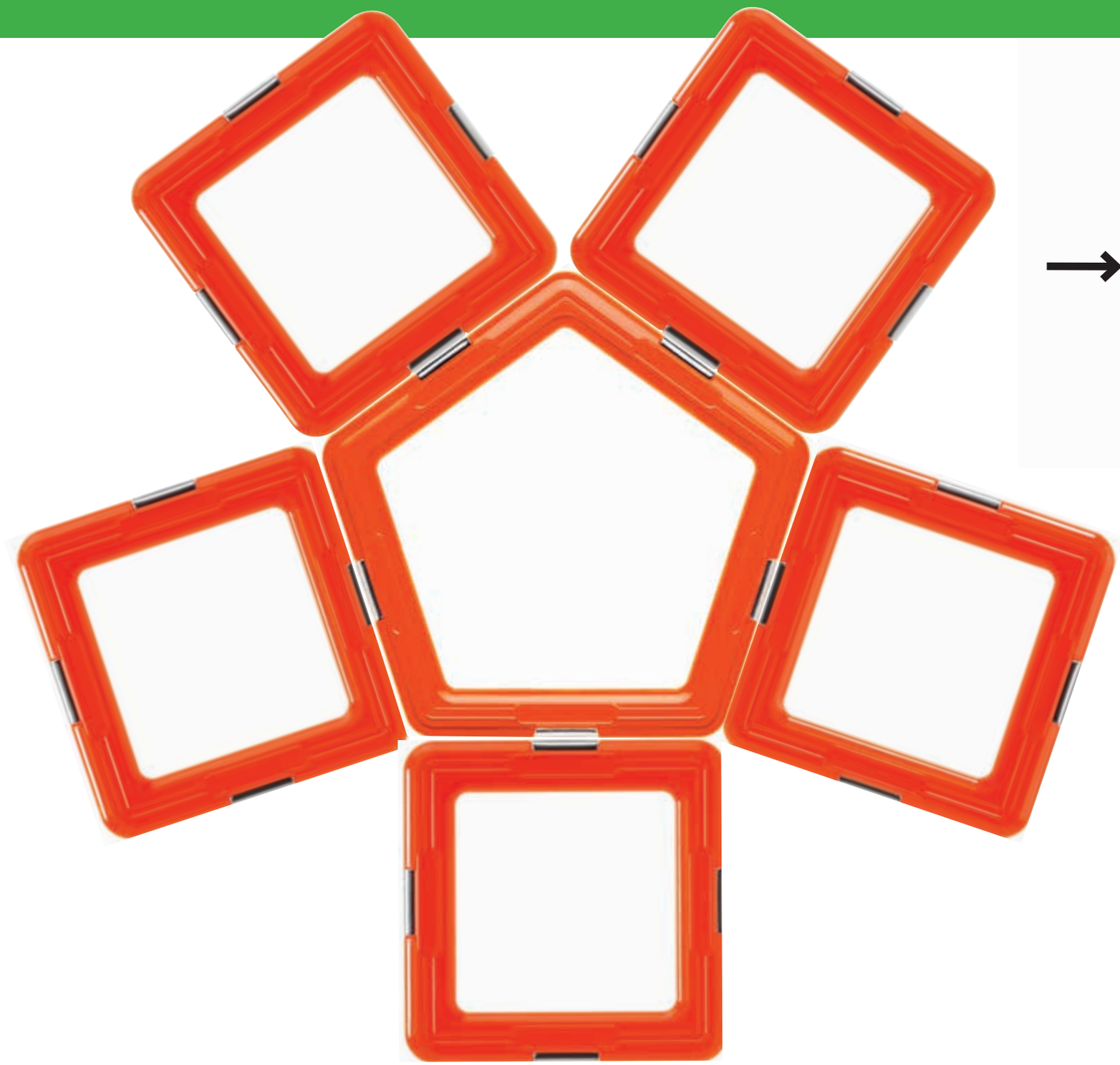

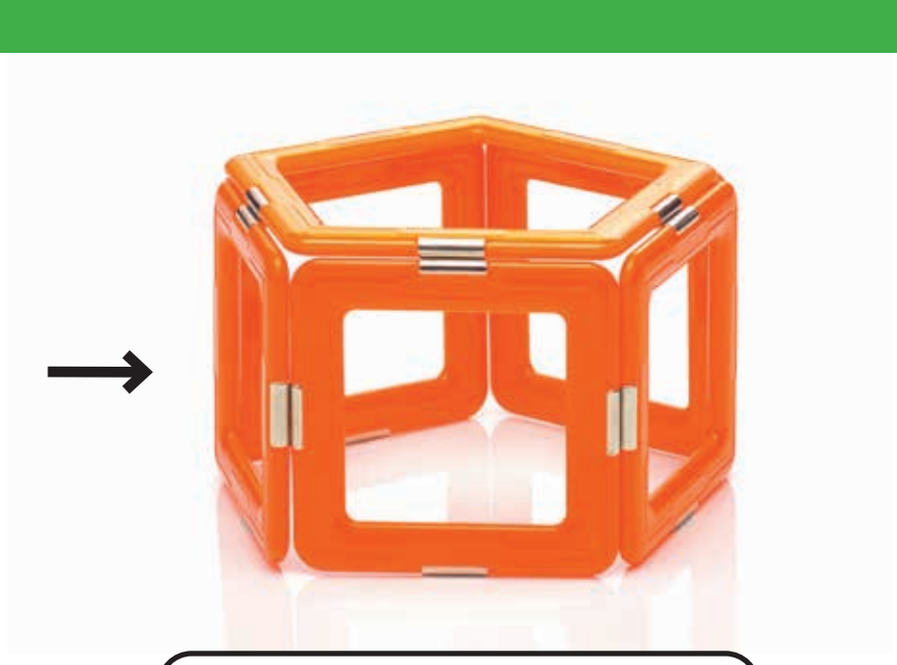

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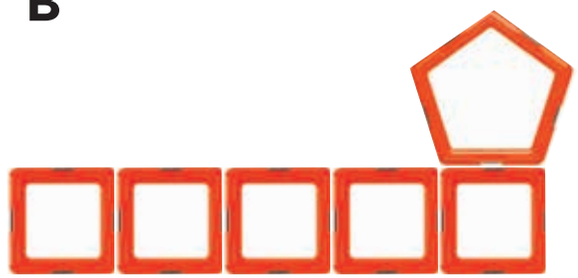

C

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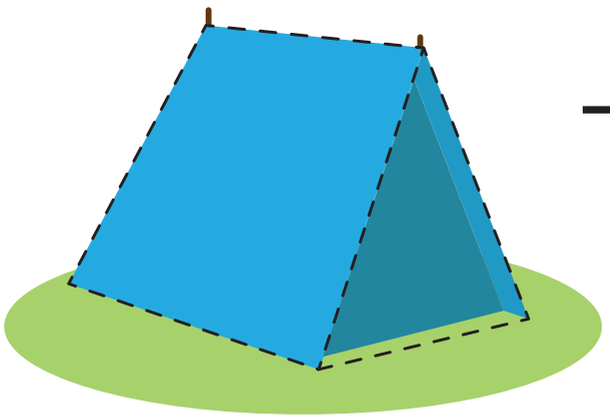
5. SHAPE RECOGNITION



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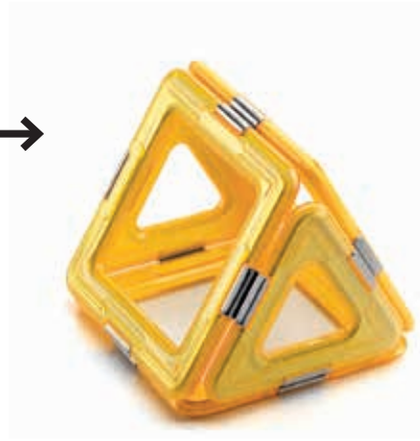

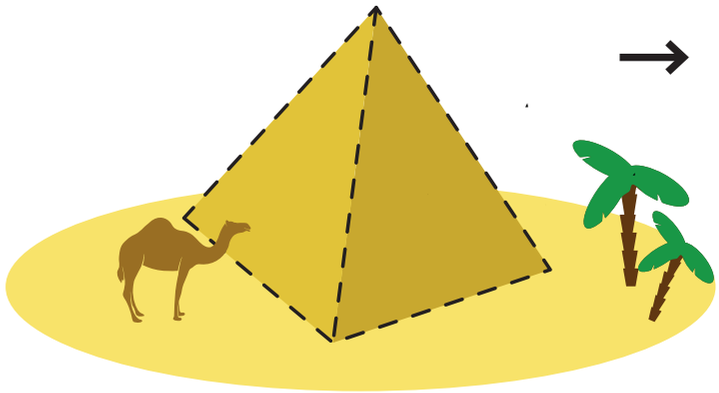

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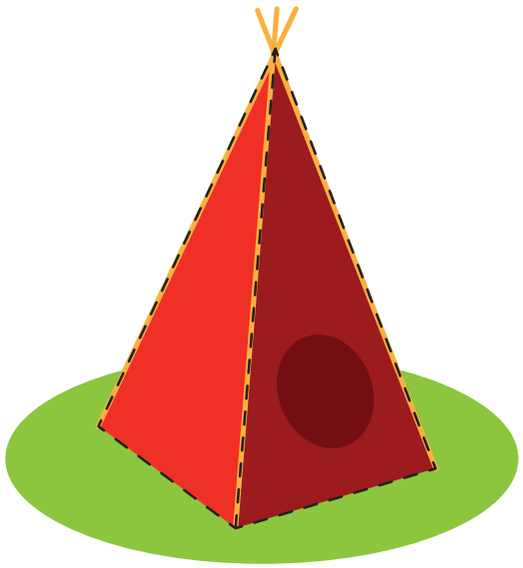

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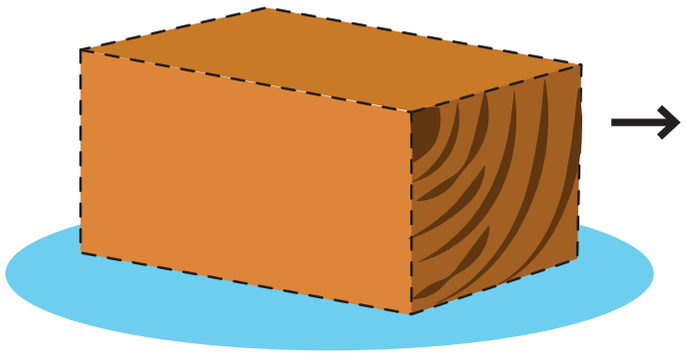

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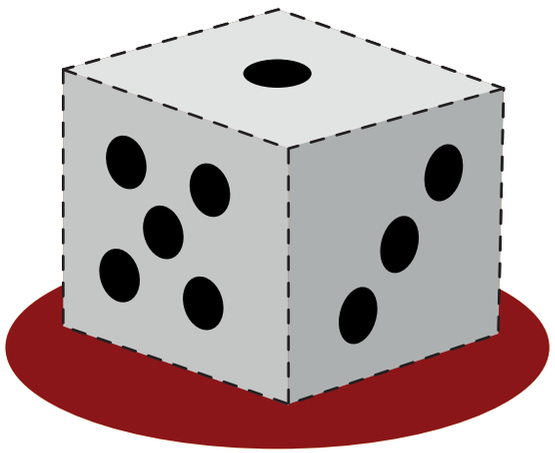

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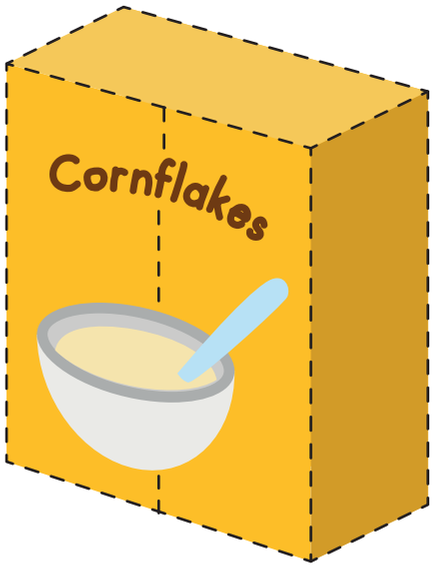

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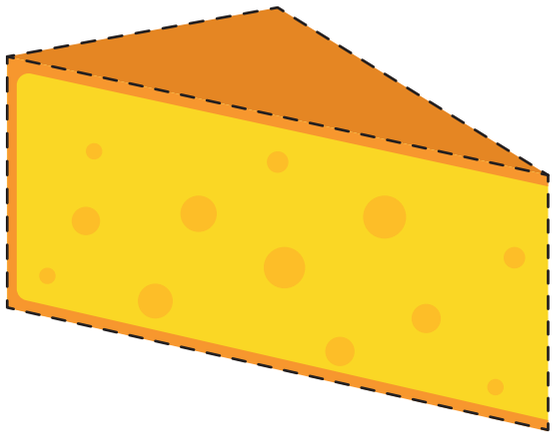

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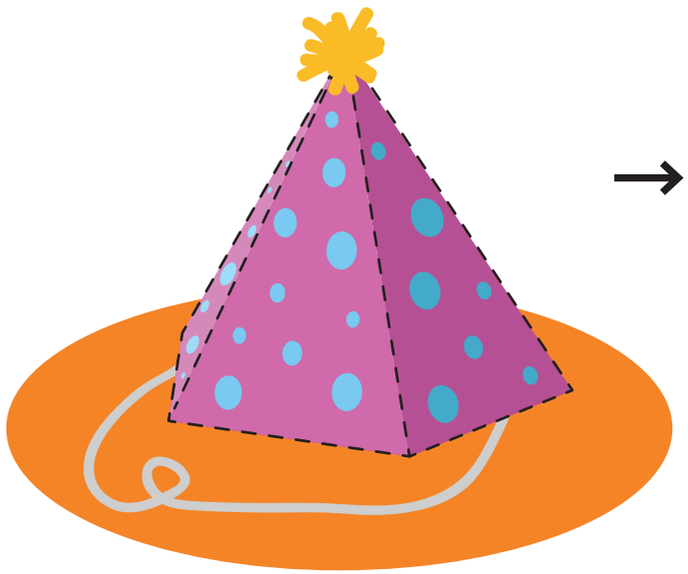

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5. SHAPE RECOGNITION

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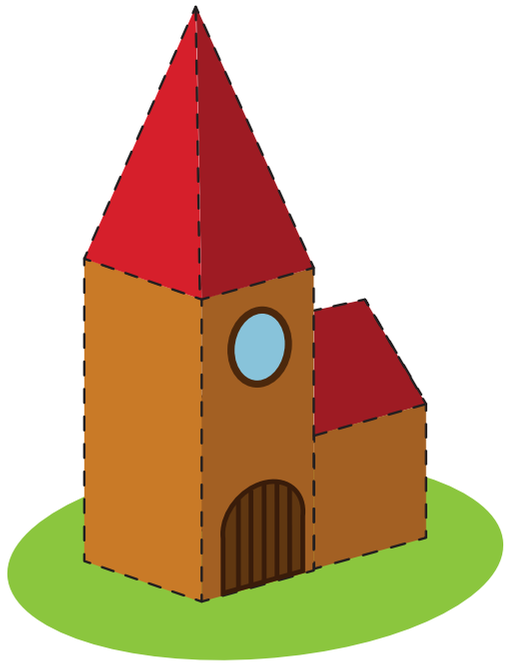

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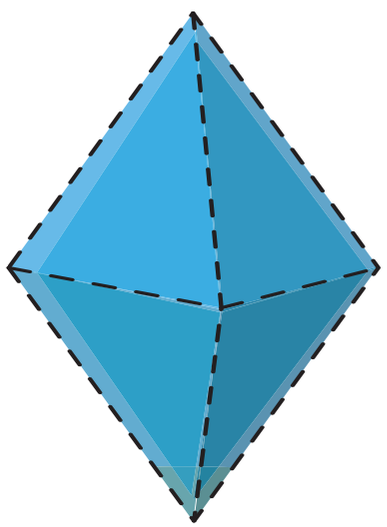

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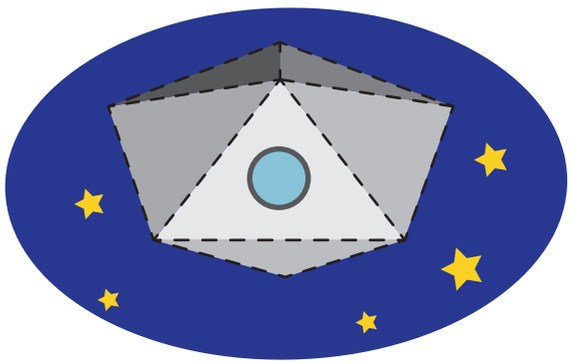

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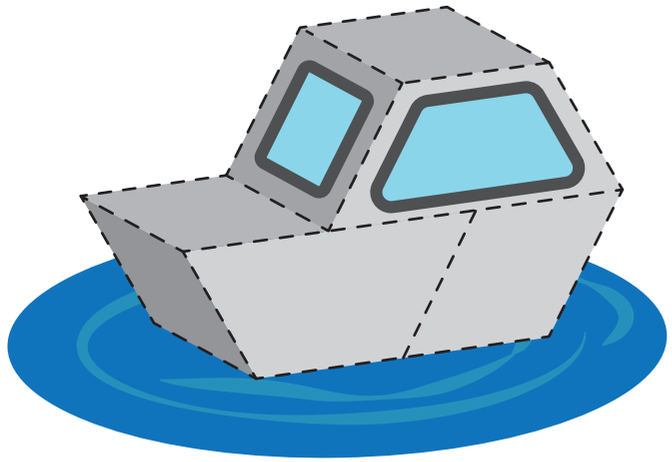

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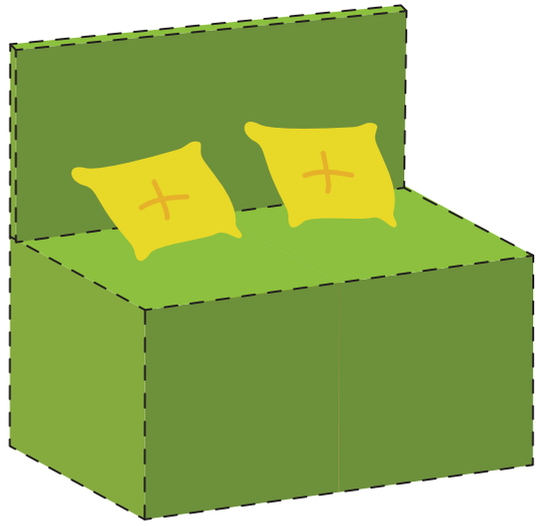

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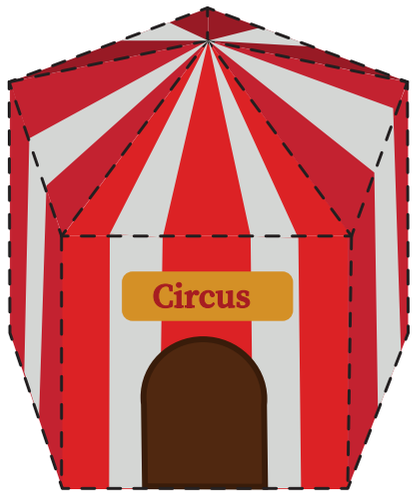

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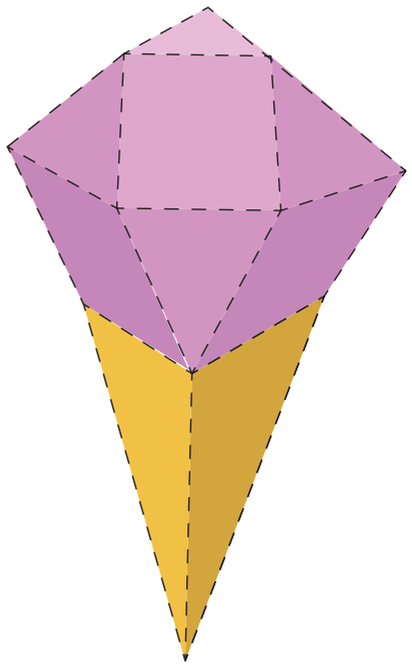

→ ?

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6. BUILDING PLAN

1.

A

2.

B

3.

C

4.

A + B + C

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6. BUILDING PLAN

1.

A

2.

B

3.

C

4.

D

5.

A + C

D + B

6.

A + C + D + B

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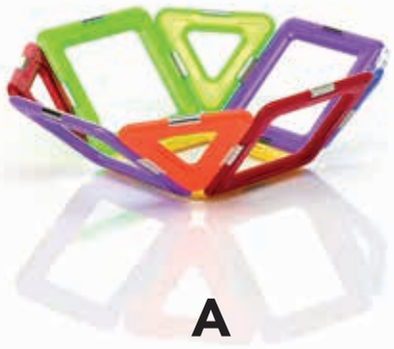
6. BUILDING PLAN

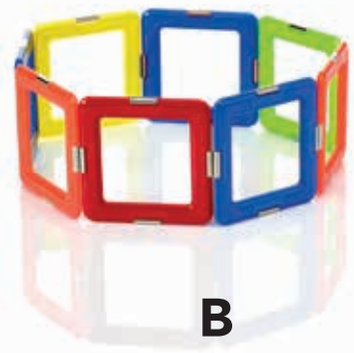
1.

2.



A

3.



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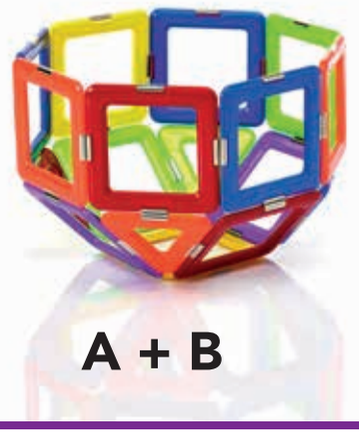

A + B

5.

6.

7.

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6. BUILDING PLAN

1.

2.

3.

4.

5.

6.

7.

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6. BUILDING PLAN

1.

2.

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4.

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6.

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6. BUILDING PLAN

1.

2.

A

3.

B

4.

C

5.

A + B + C

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6. BUILDING PLAN

1.

2.

3.

4.

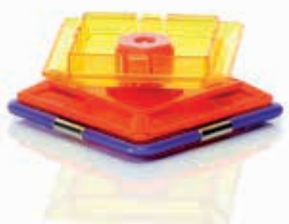
A

5.

6.

B

7.



C

8.

A + B + C

9.

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6. BUILDING PLAN

1.

X 2

2.

A

3.

X 3

4.

B

5.

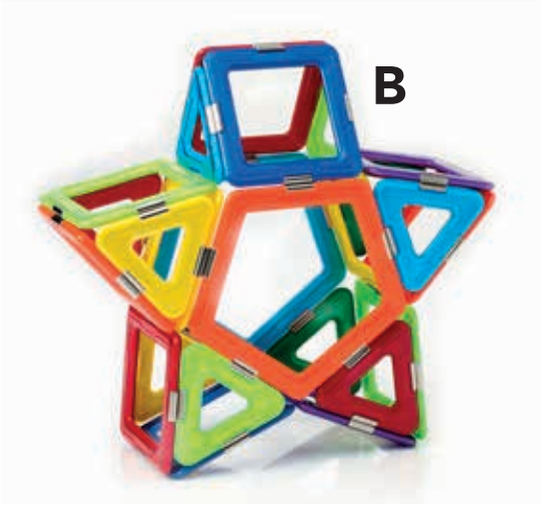
A **A**

6.

B **B**

7.

8.



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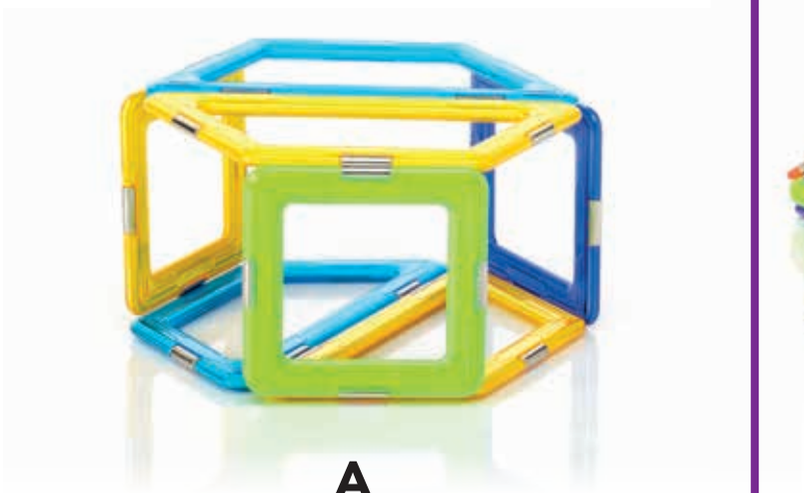
6. BUILDING PLAN

1.



A

2.

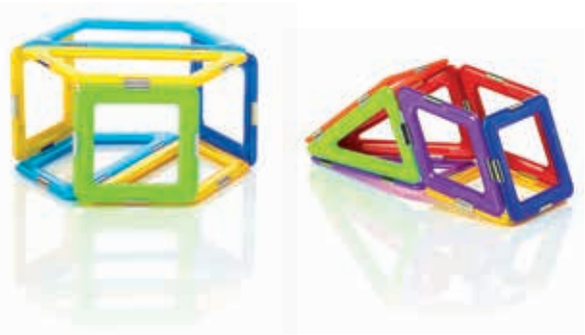
3.

B

4.

3 X B

5.



A + 3 X B

6.

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6. BUILDING PLAN

1.

2.

2 X A

3.

A

4.

5.

6.

7.

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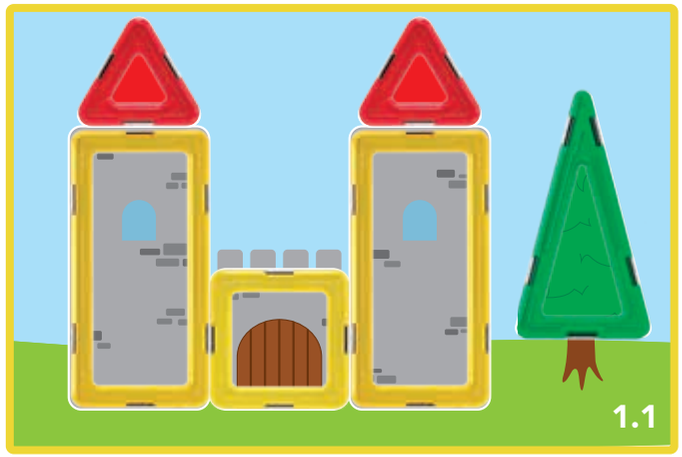
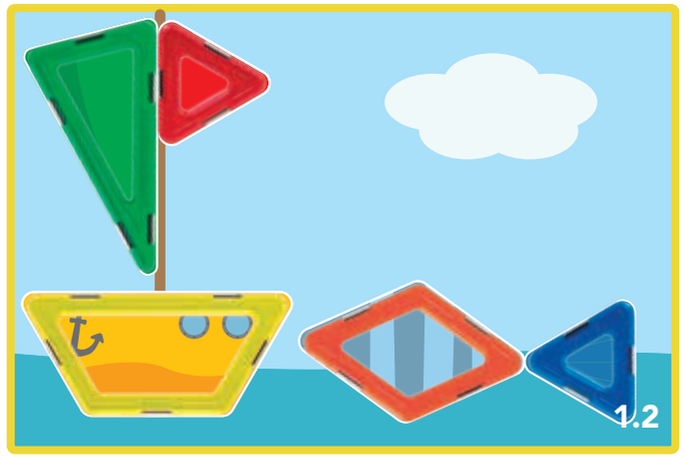
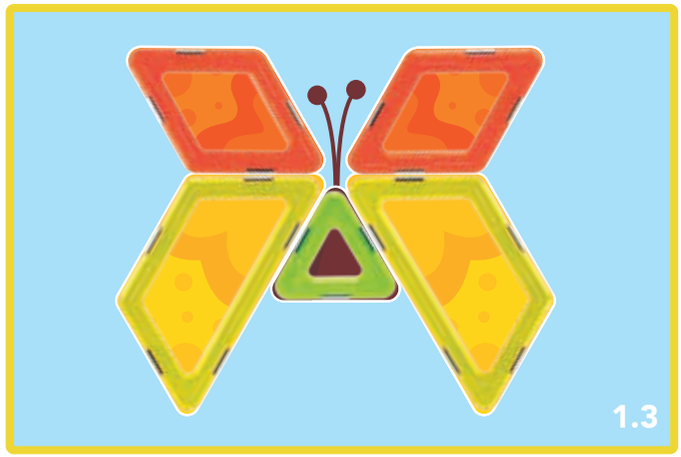
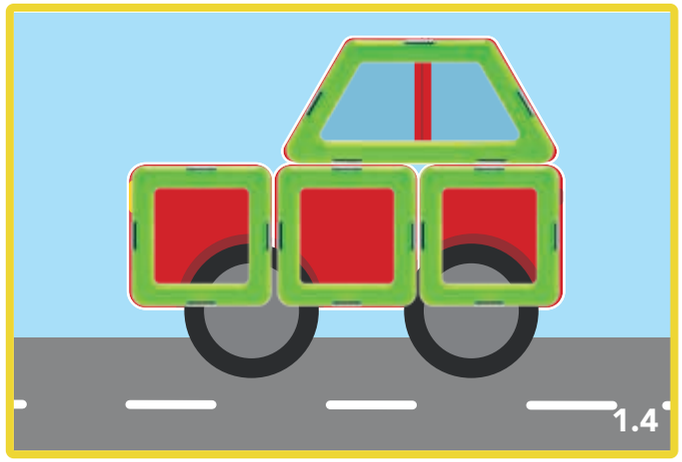
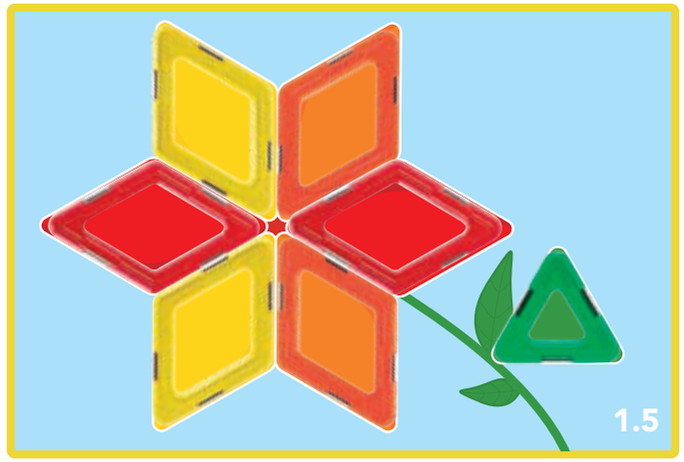
7. SOLUTIONS

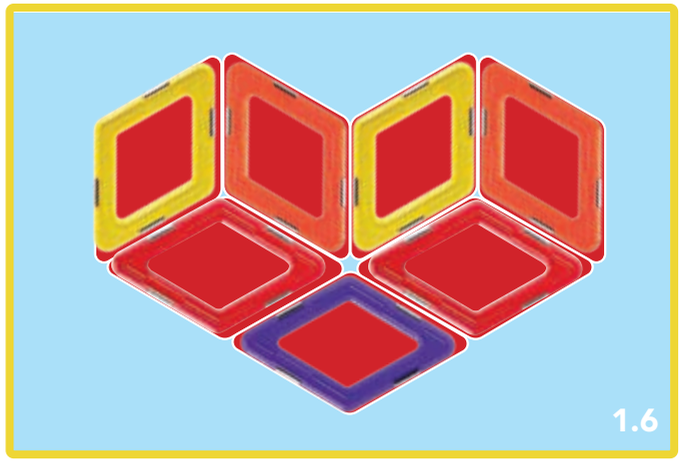


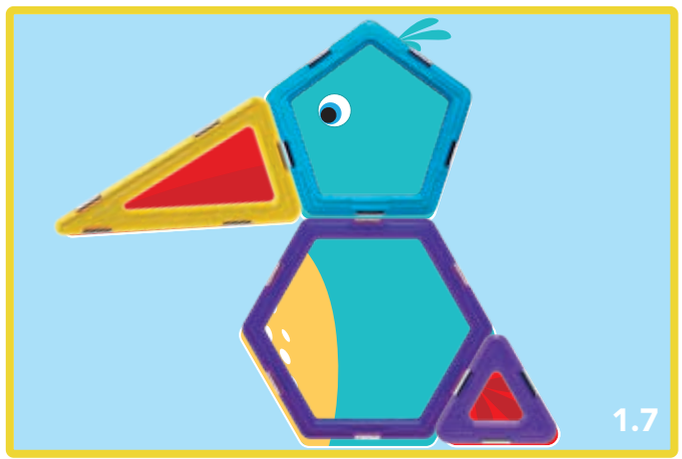


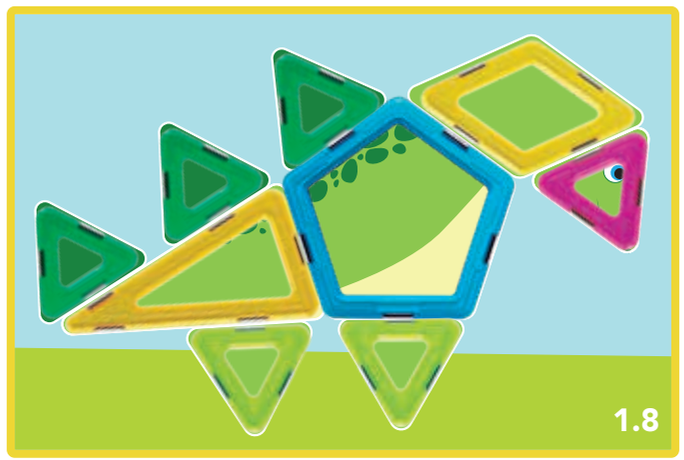












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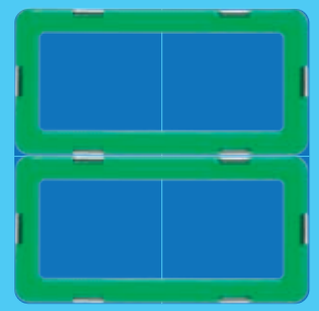
7. SOLUTIONS

2.1. B

2.1. C

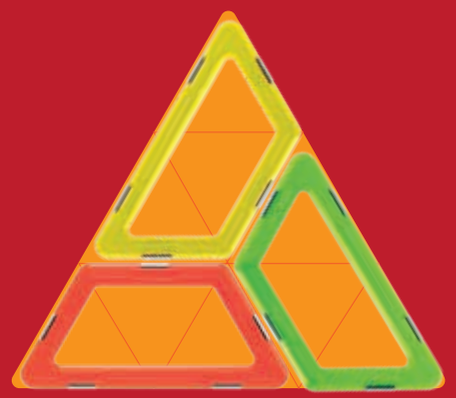


2.2. A

2.2. B

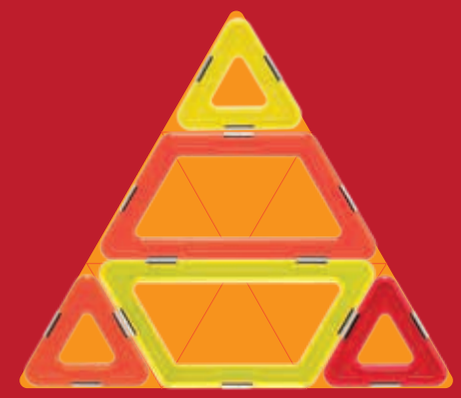
2.2. C

2.3. A



2.3. B

2.3. C



2.3. D

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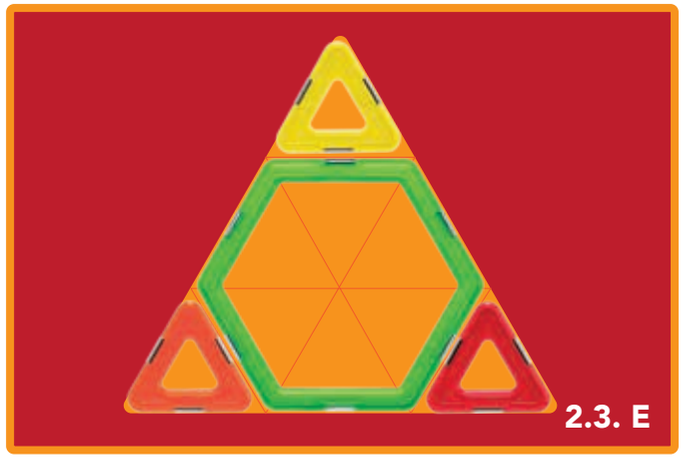
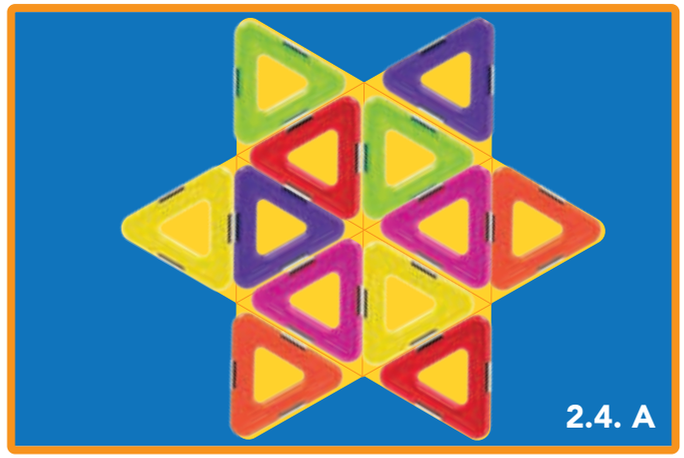
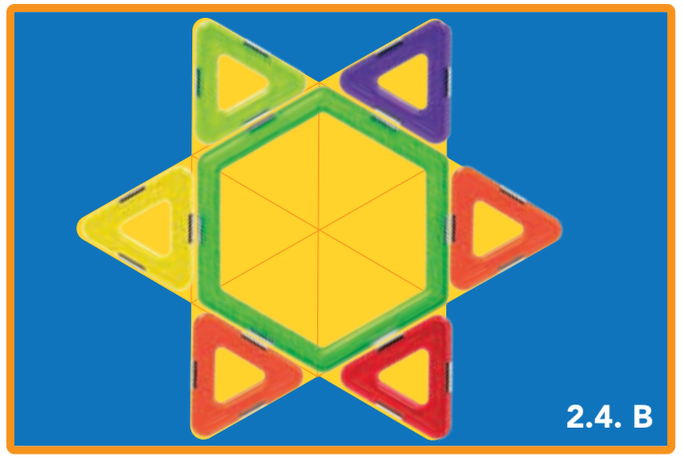
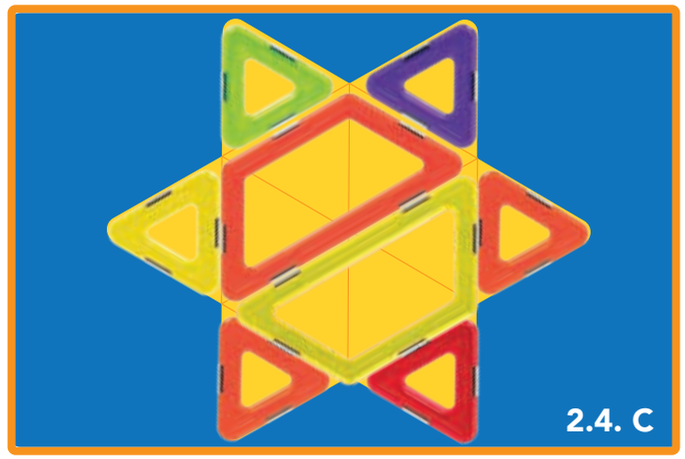
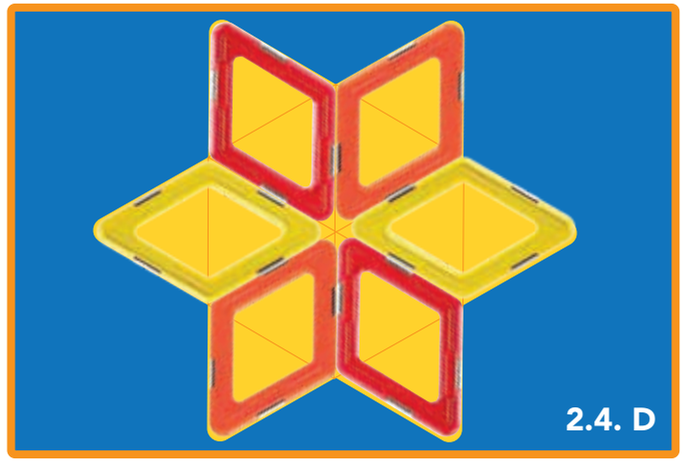
7. SOLUTIONS

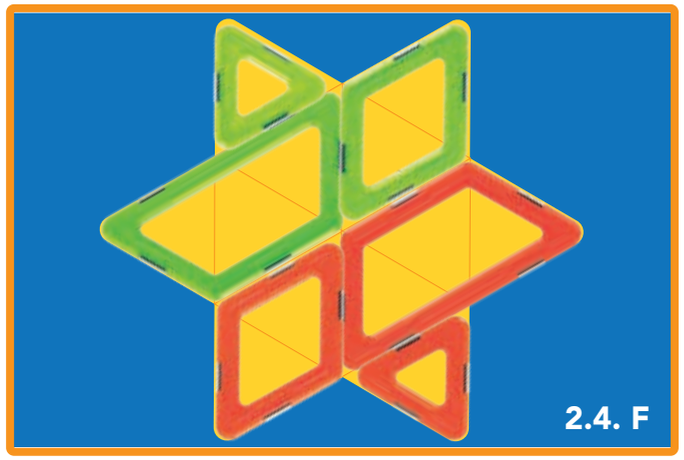


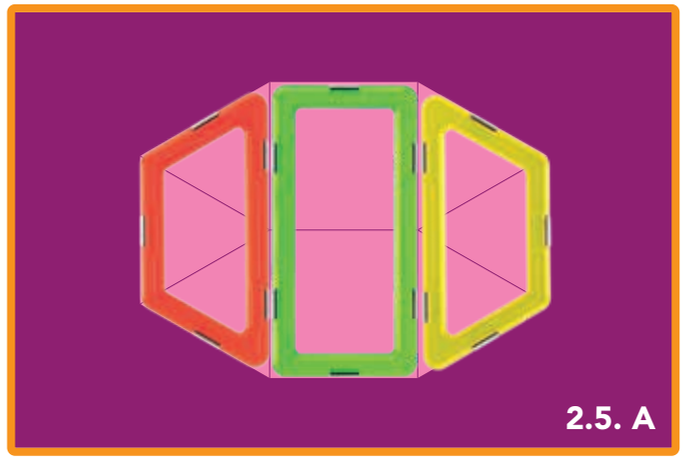


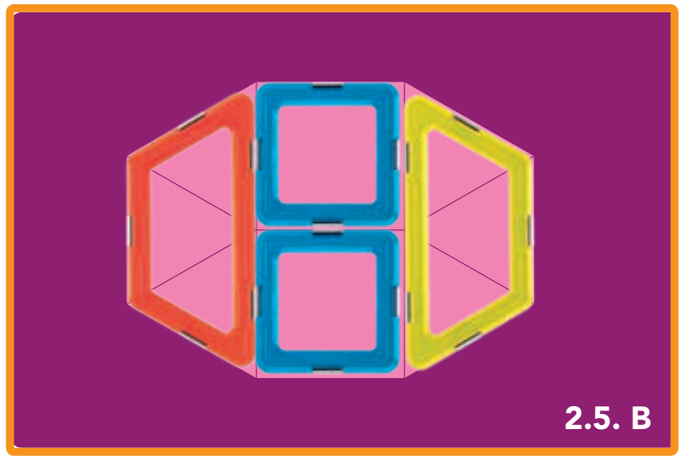












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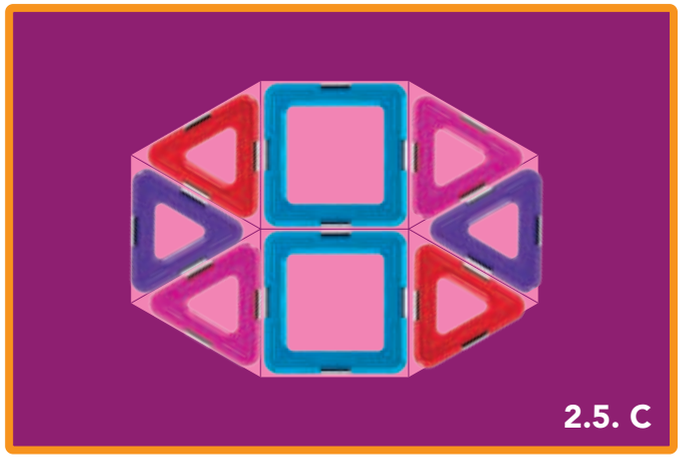
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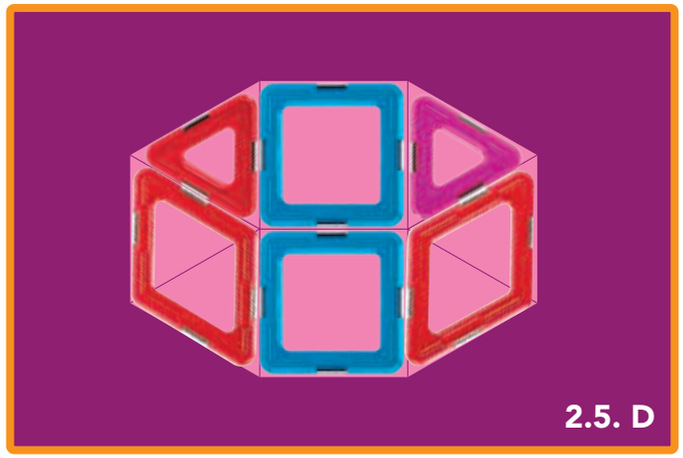
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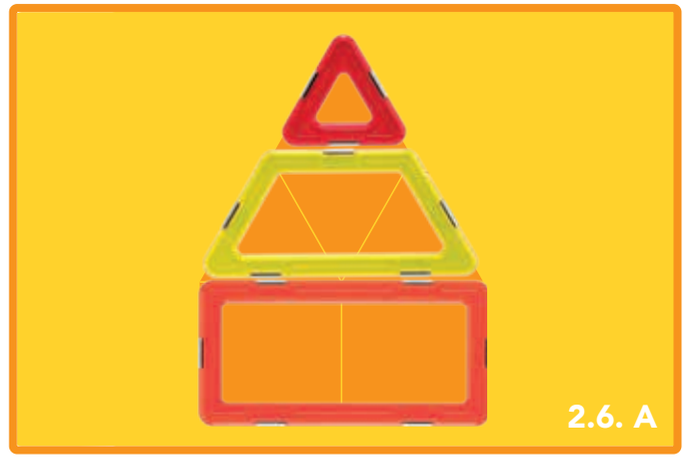
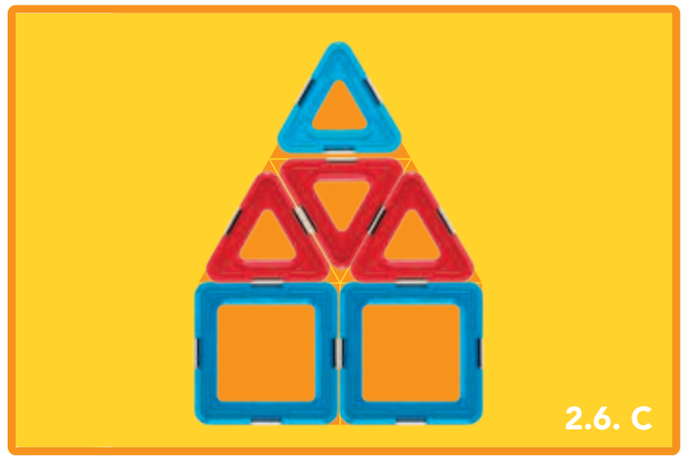
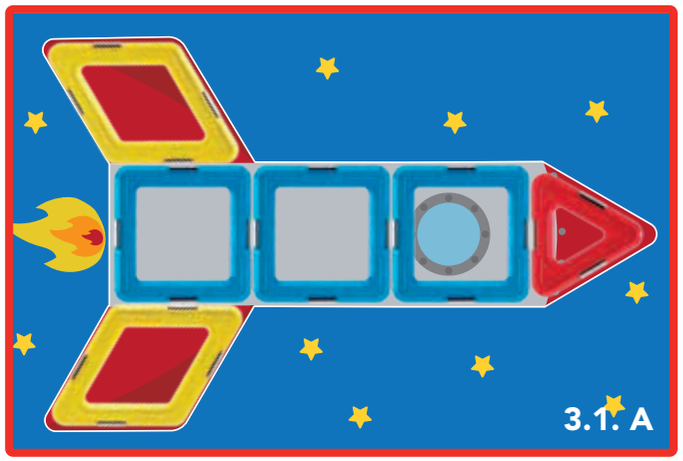

2.6. A

2.6. B


2.6. C

2.6. D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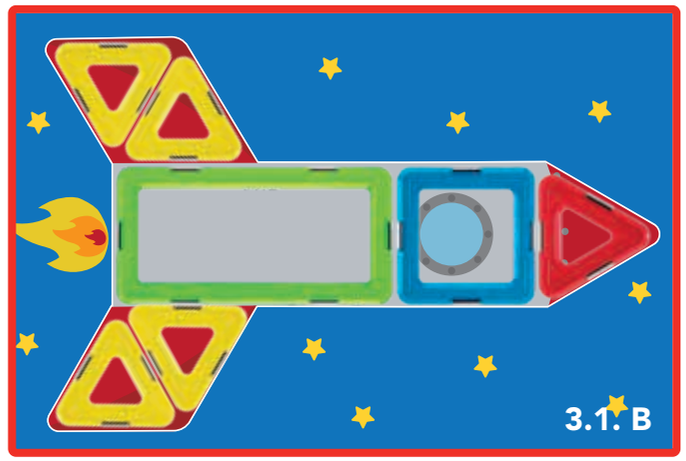
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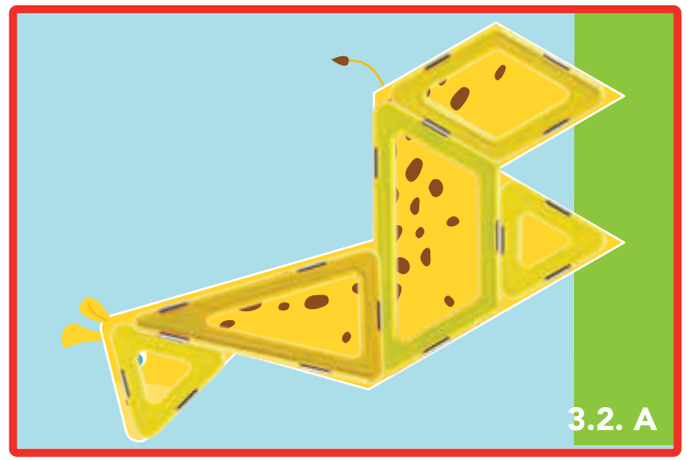
3.2. A

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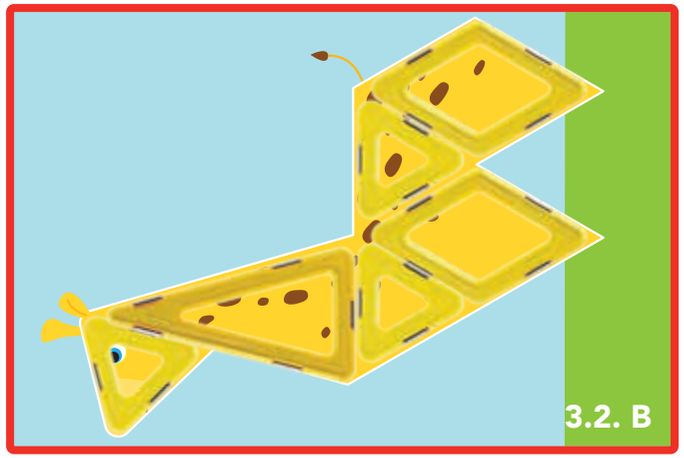
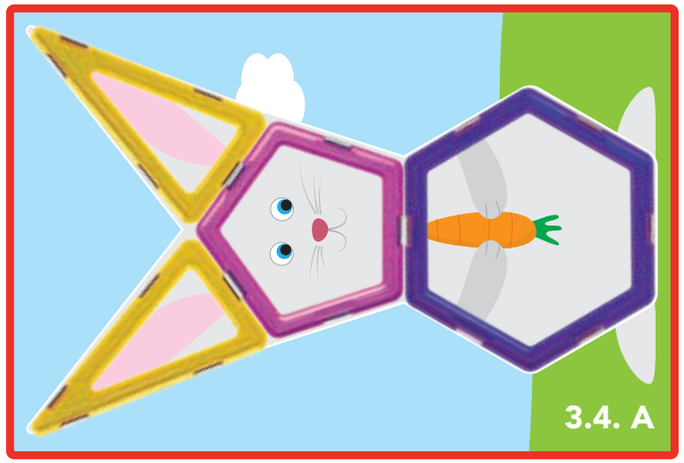
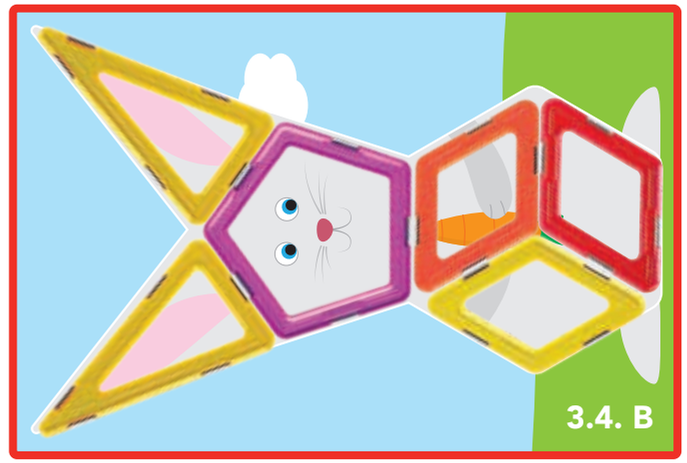
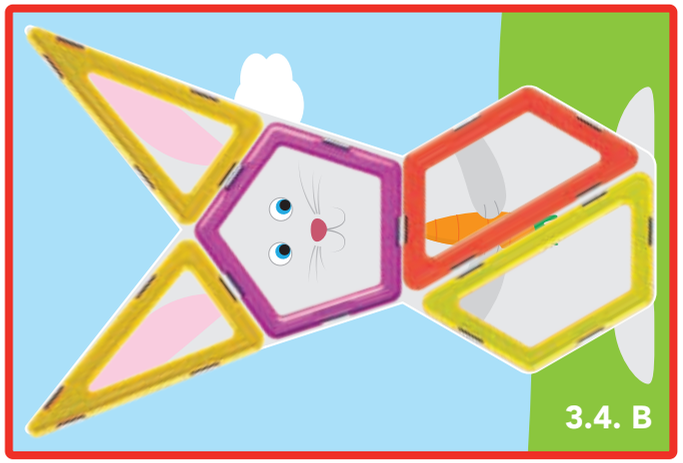
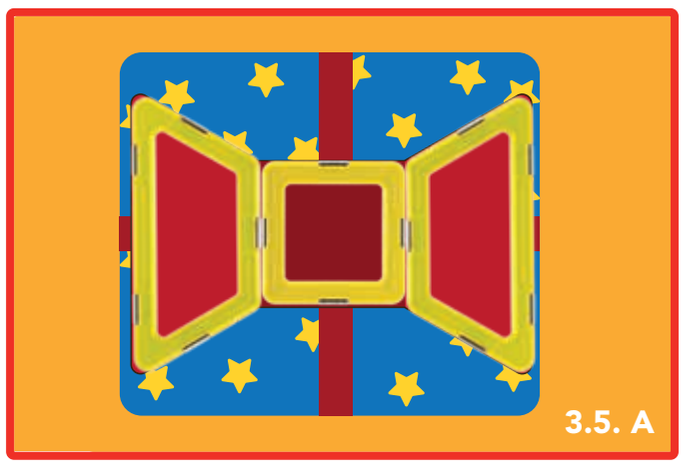
7. SOLUTIONS

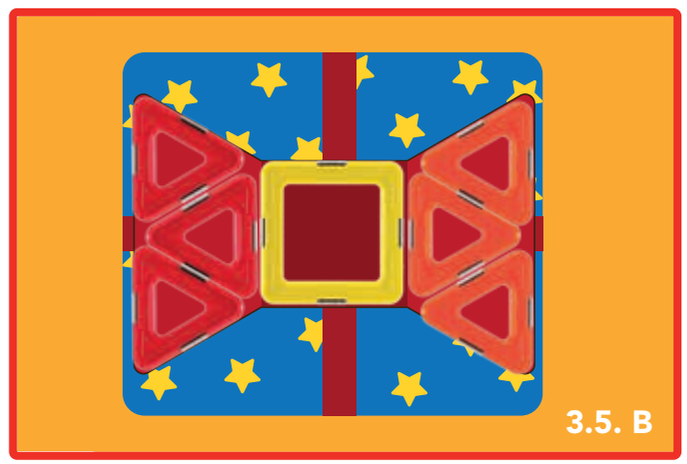


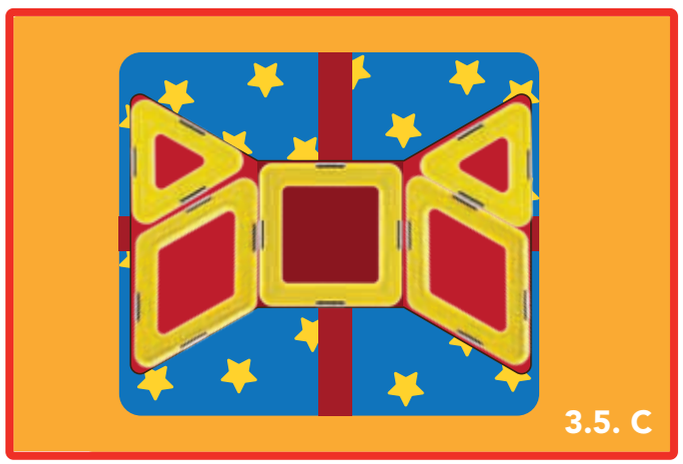












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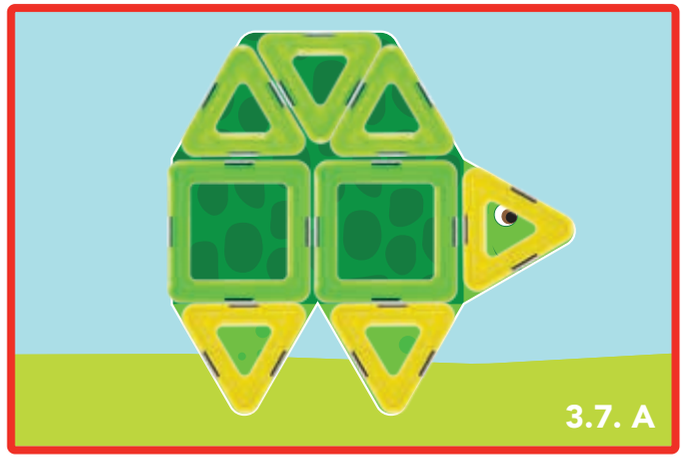

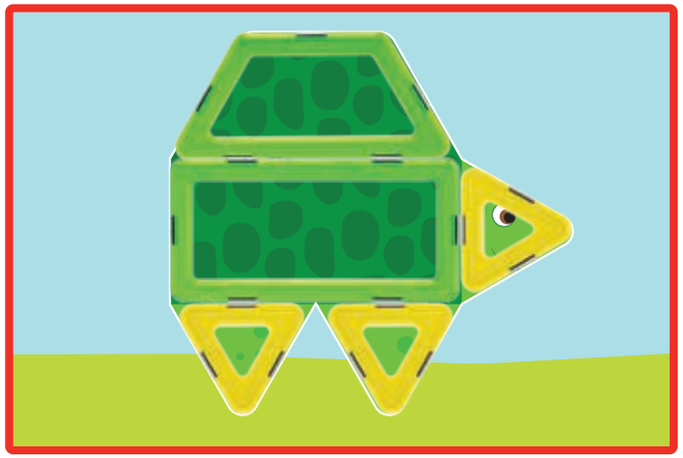

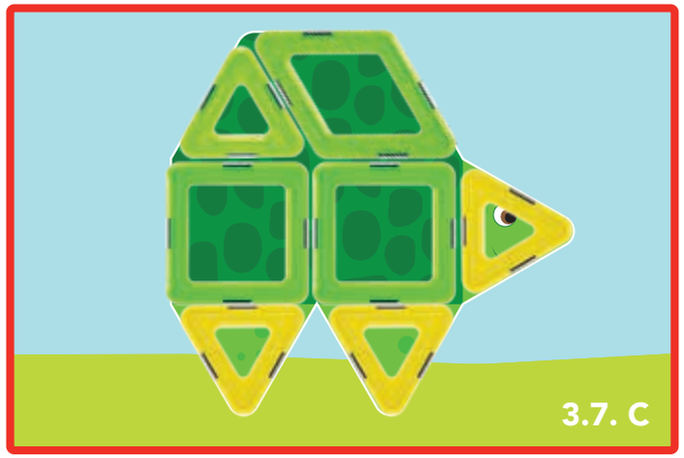

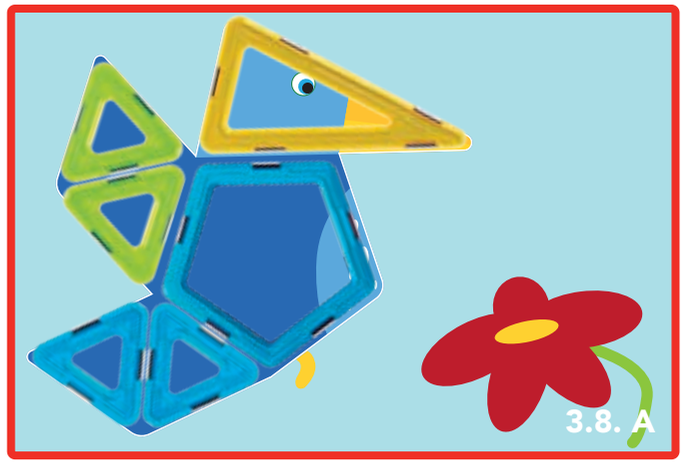

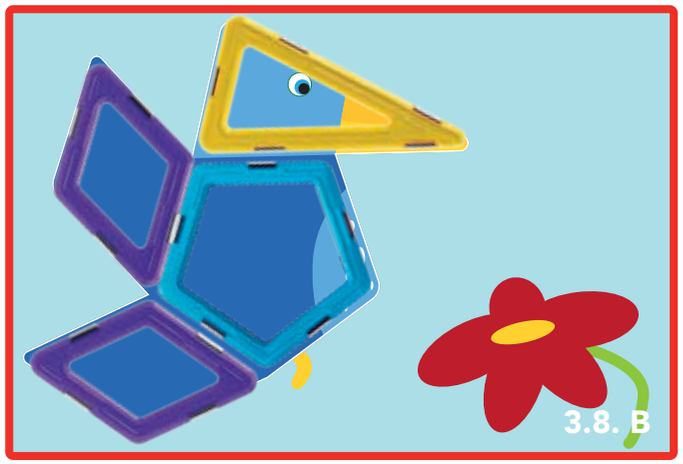

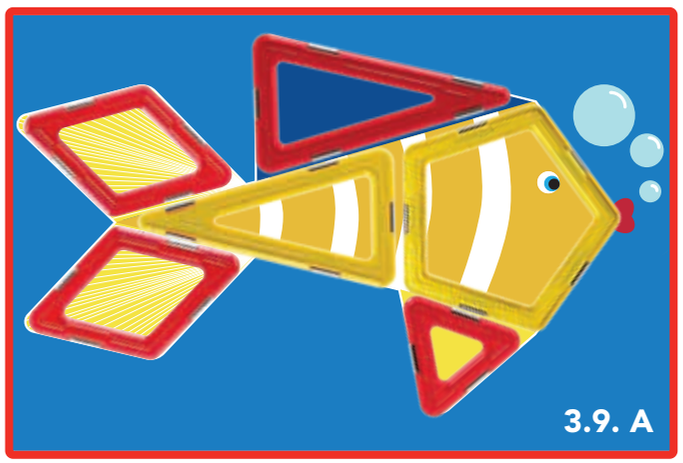

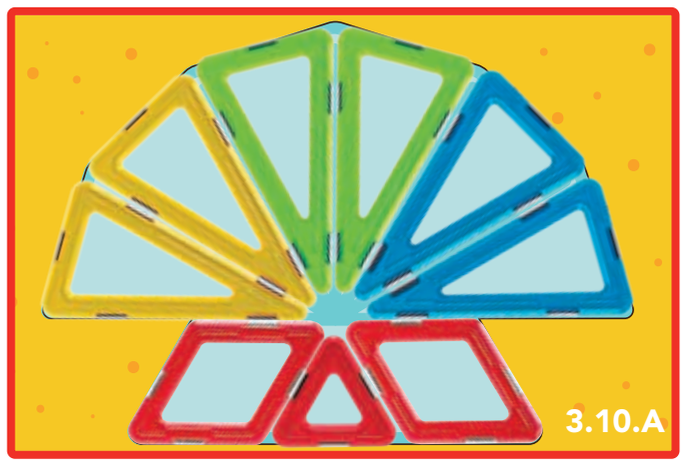

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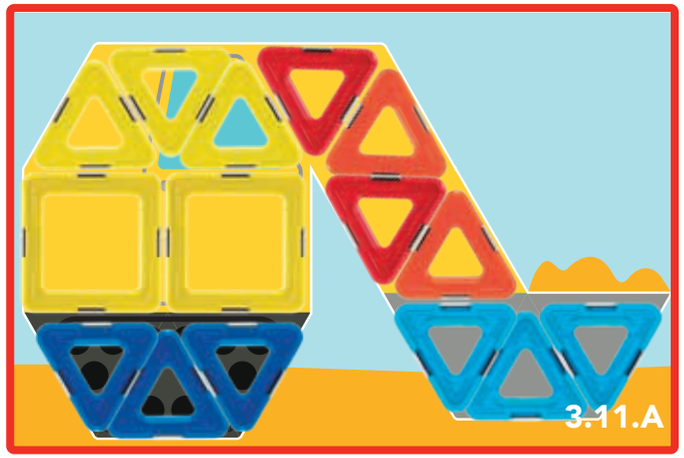

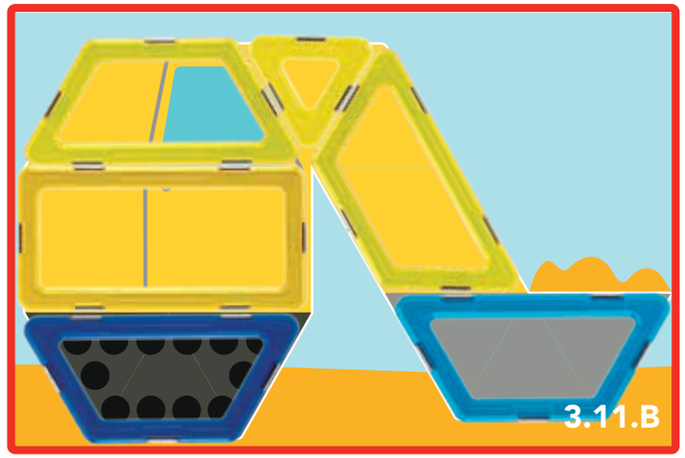

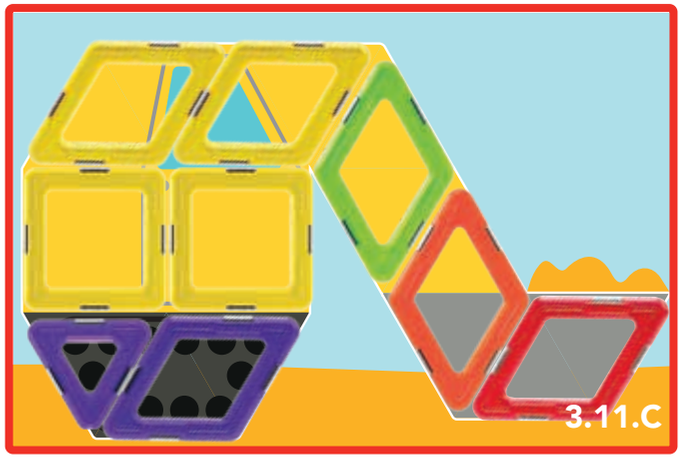

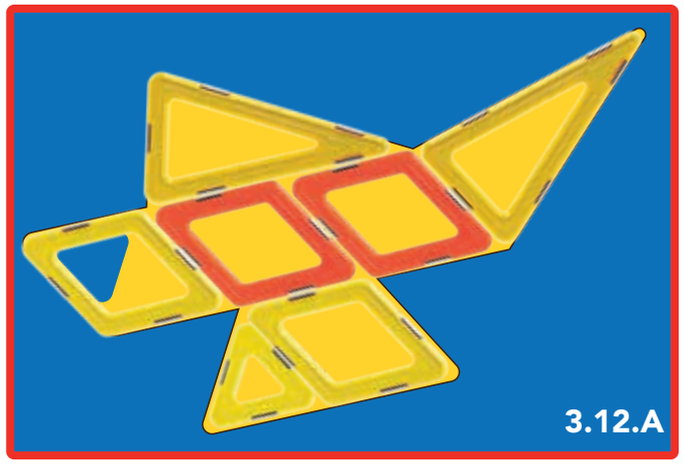

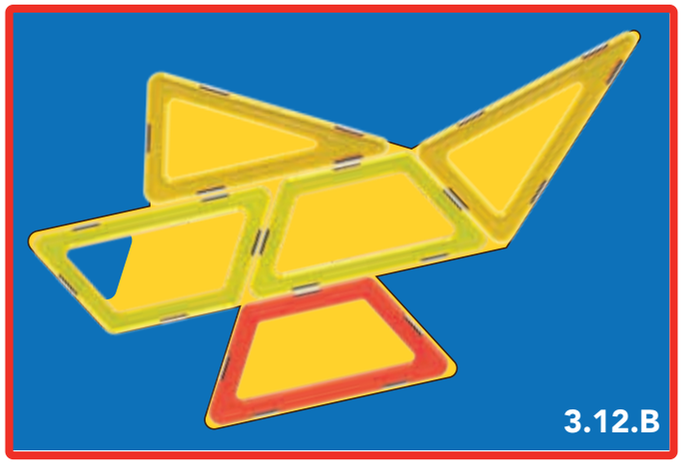

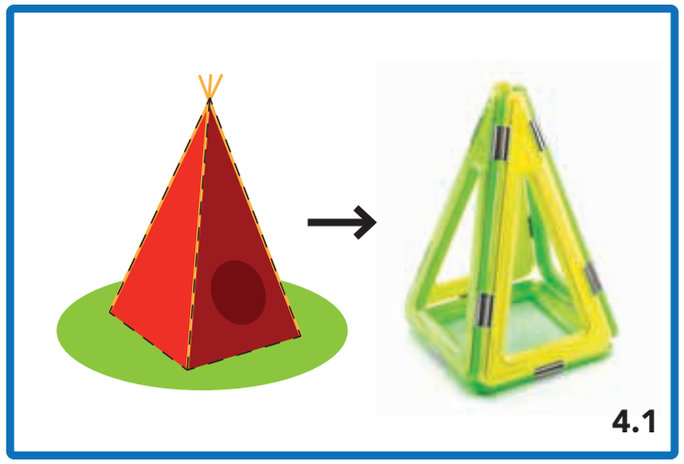

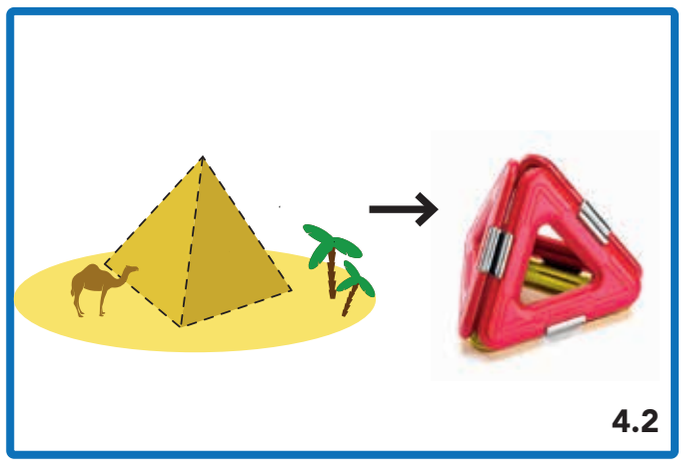

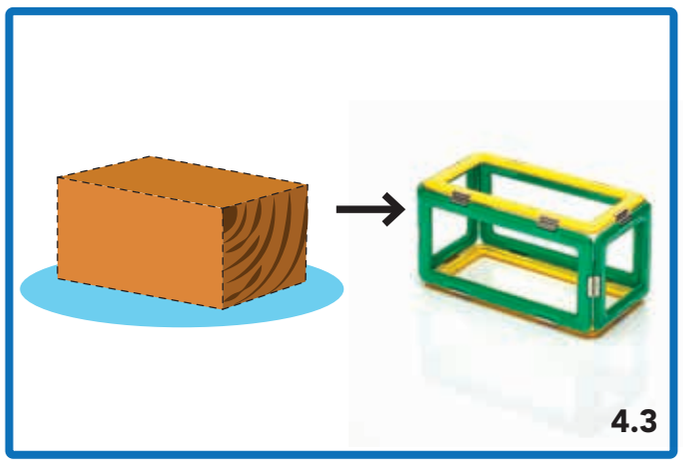

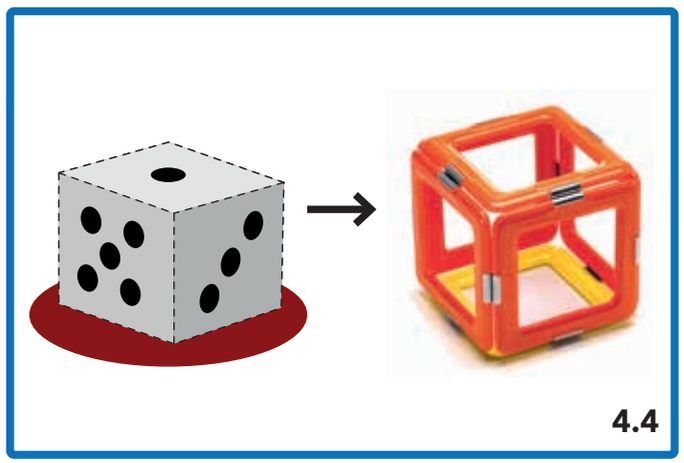

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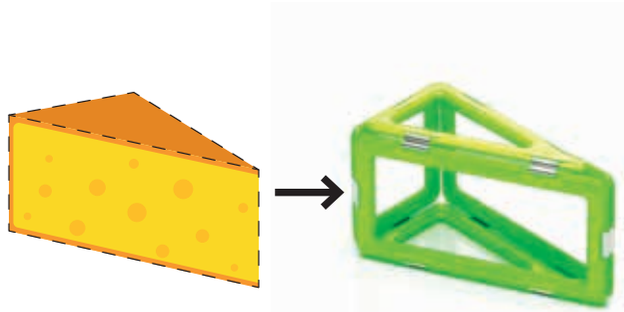

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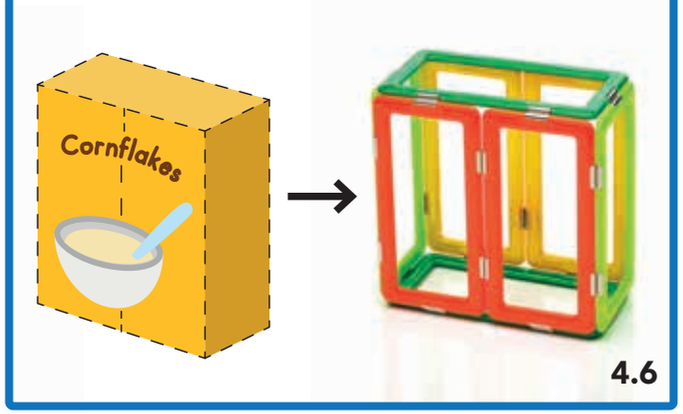

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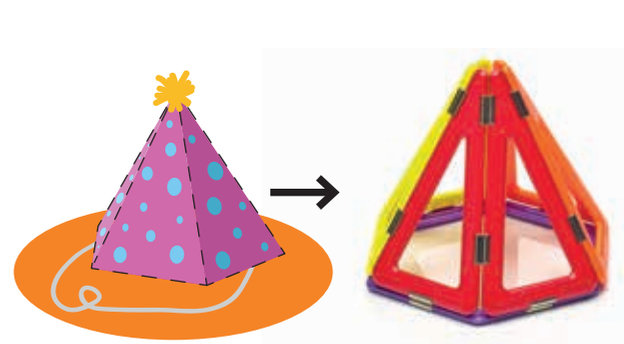

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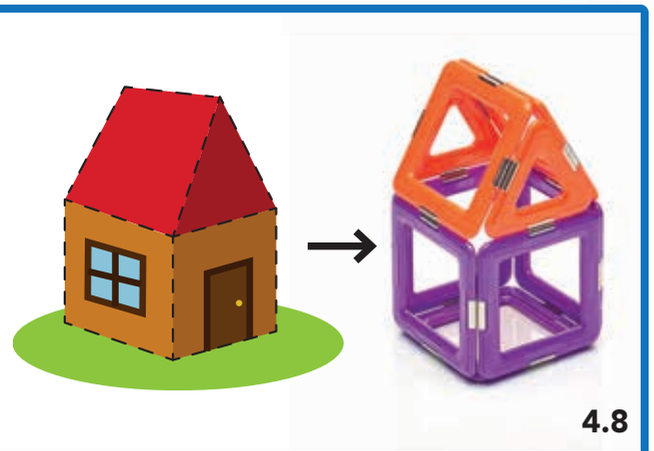

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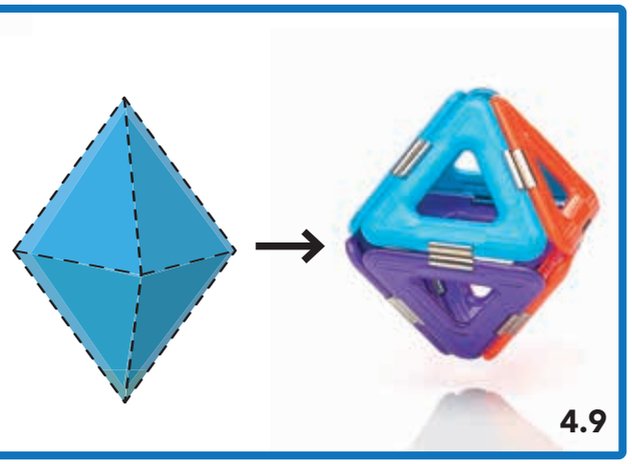

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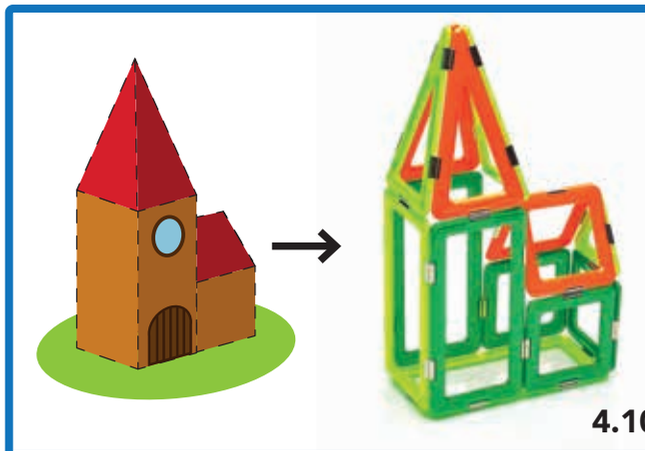

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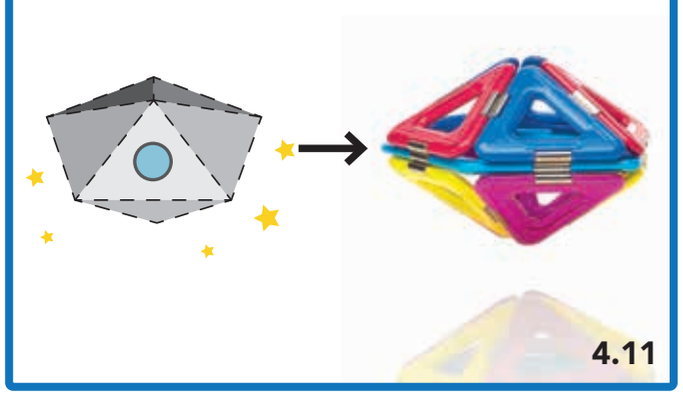

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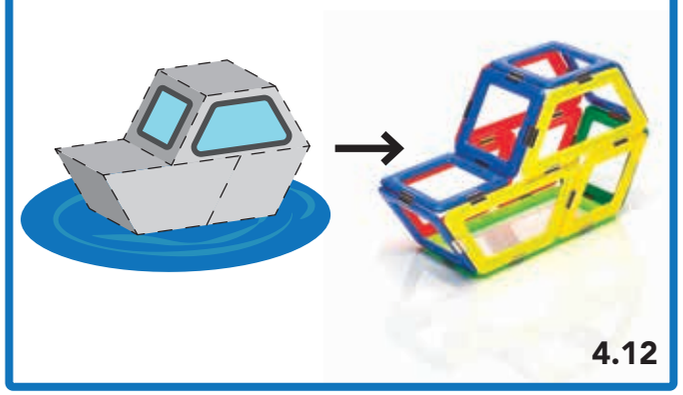

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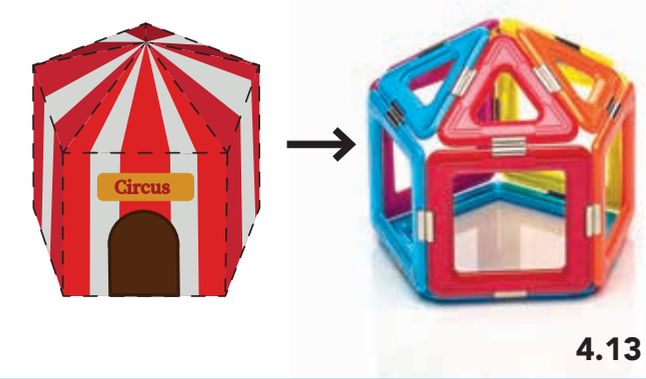

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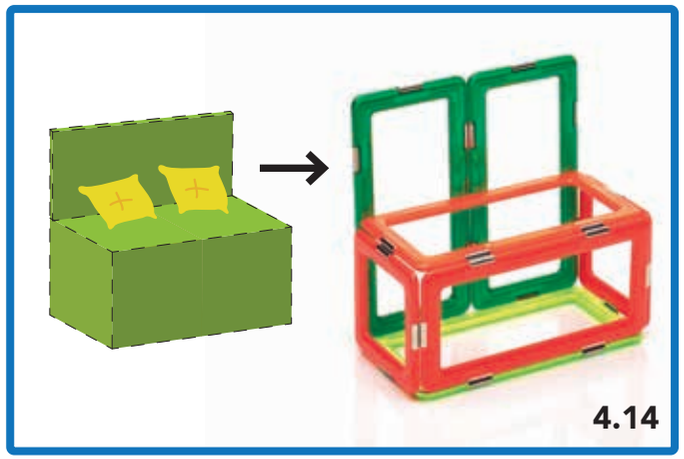

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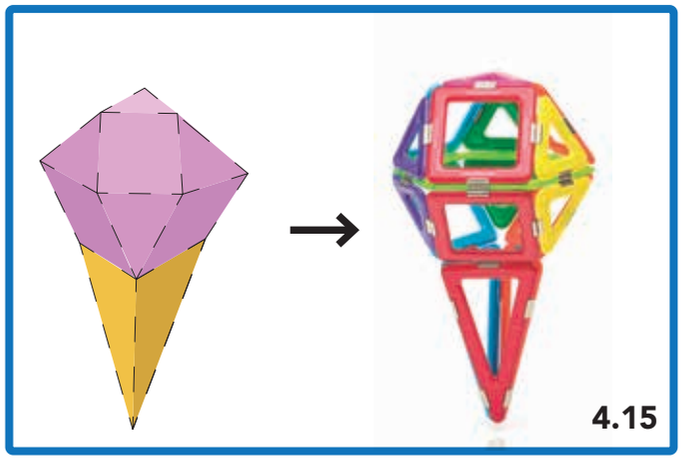

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