GEOSMART™

CHALLENGE BOOKLET

SHAPES

triangle

square

rectangle

diamond

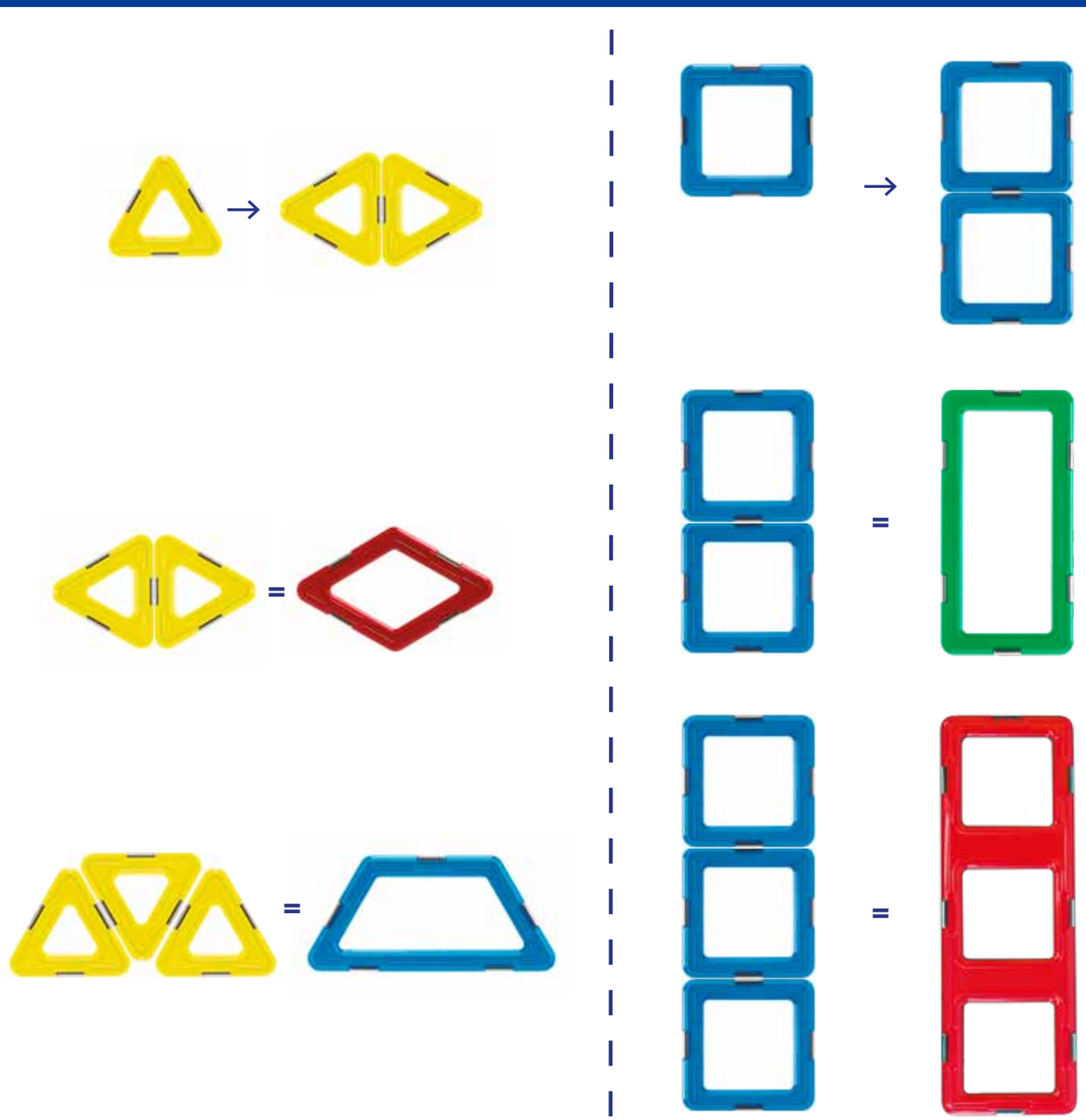
trapezoid

isosceles triangle

large
rectangle

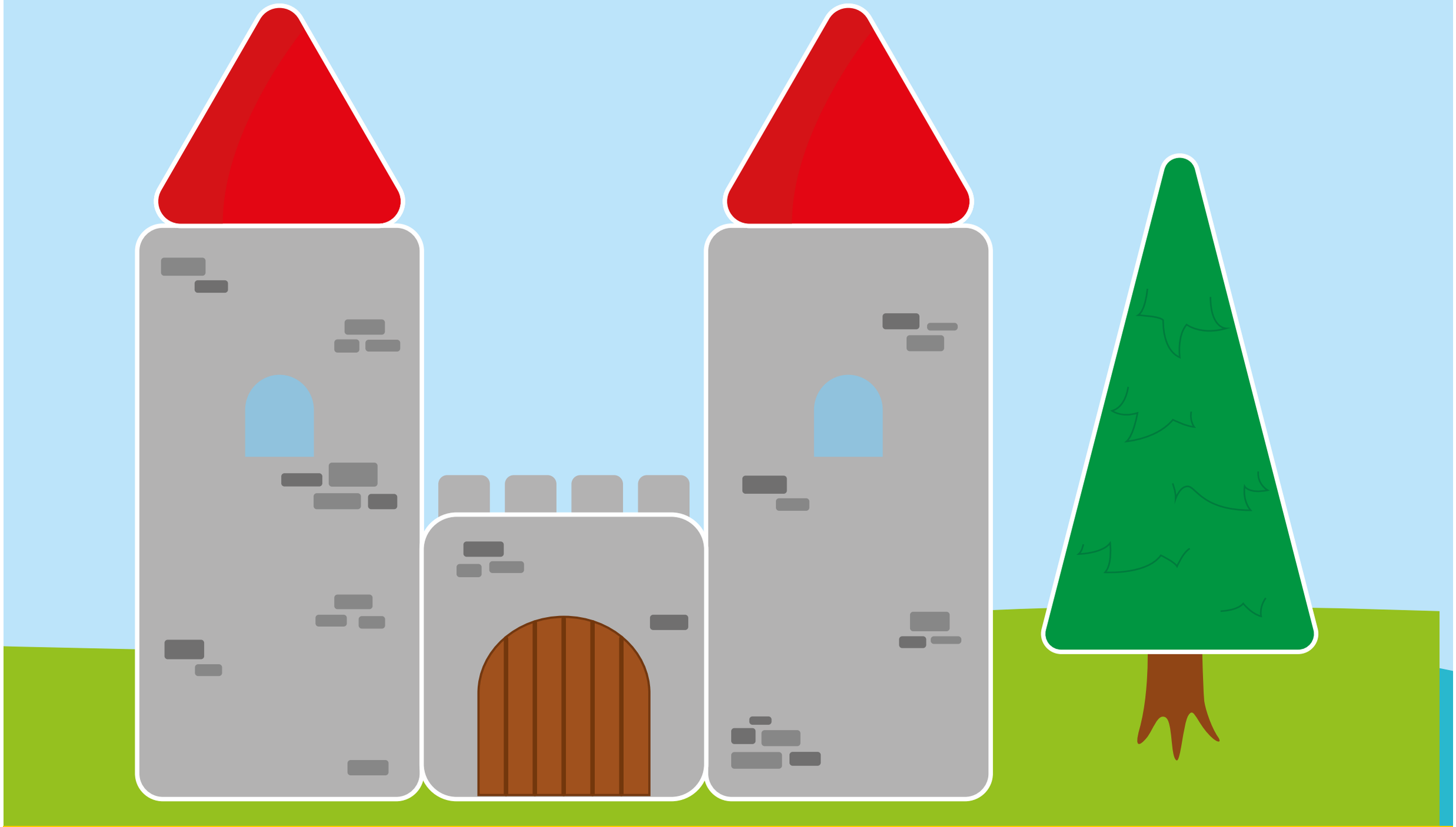
©2023 SMART - Belgium. All rights reserved

PATTERN RECOGNITION



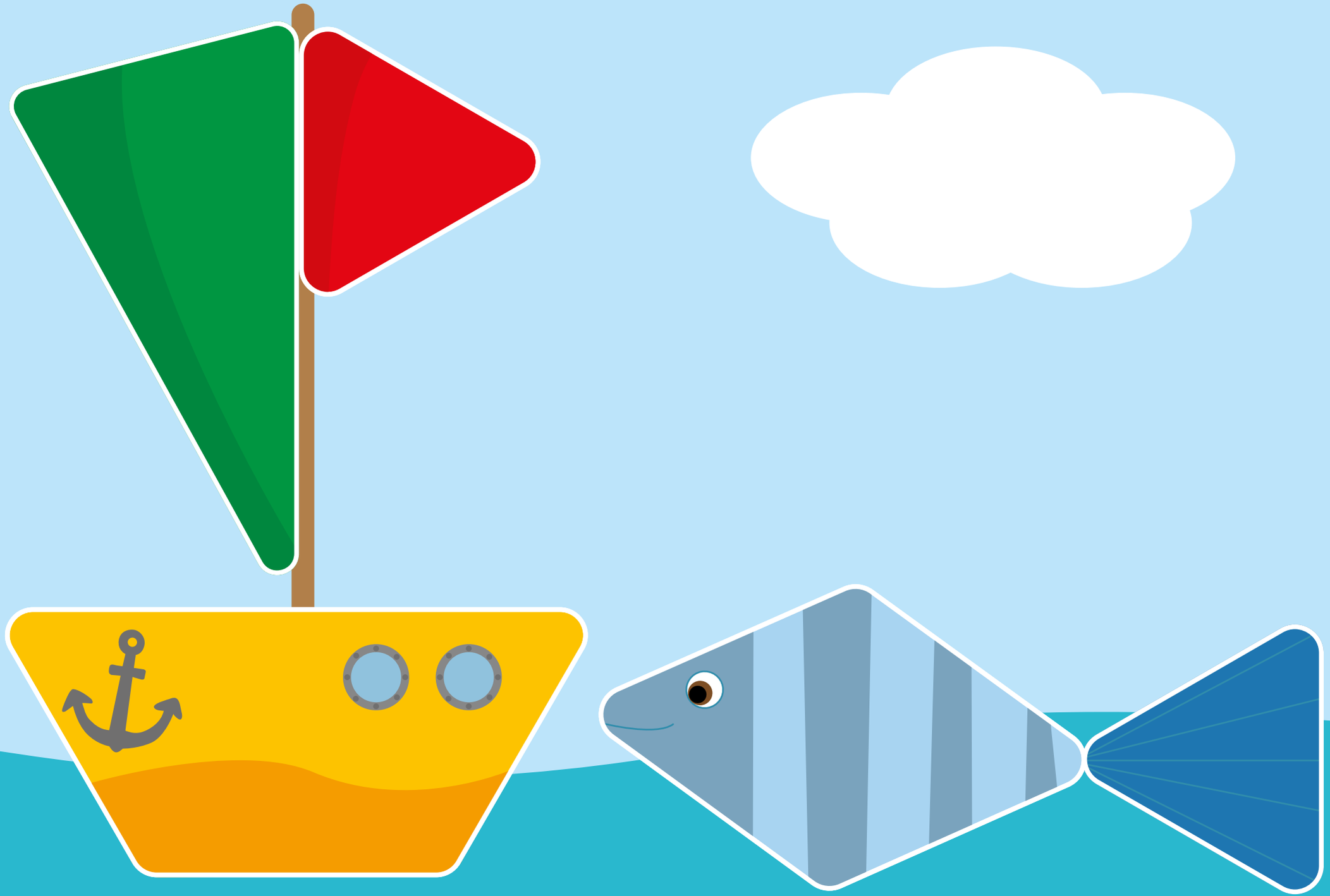
©2023 SMART - Belgium. All rights reserved

1. SHAPES AND COLOURS



©2023 SMART - Belgium. All rights reserved

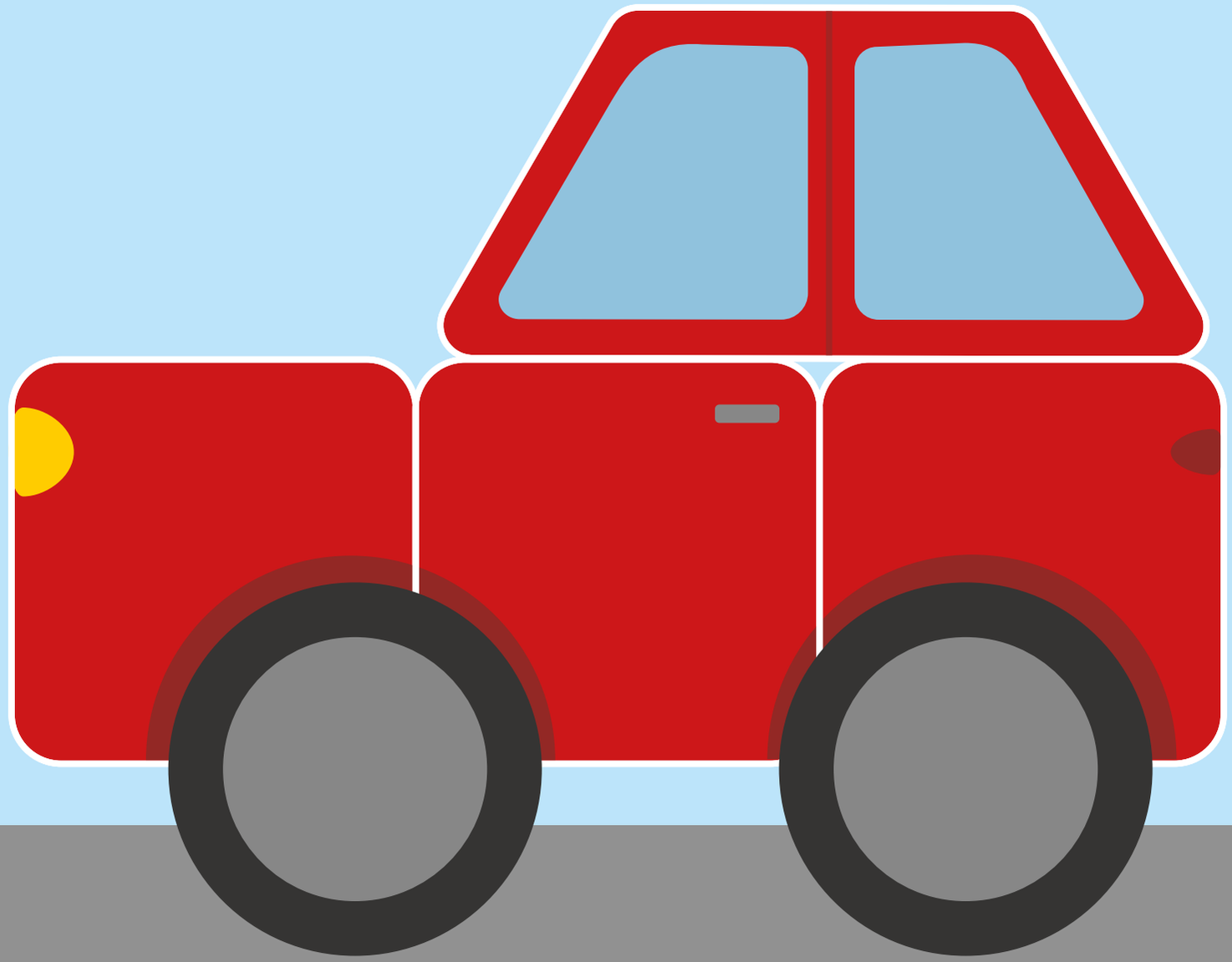
1. SHAPES AND COLOURS



©2023 SMART - Belgium. All rights reserved

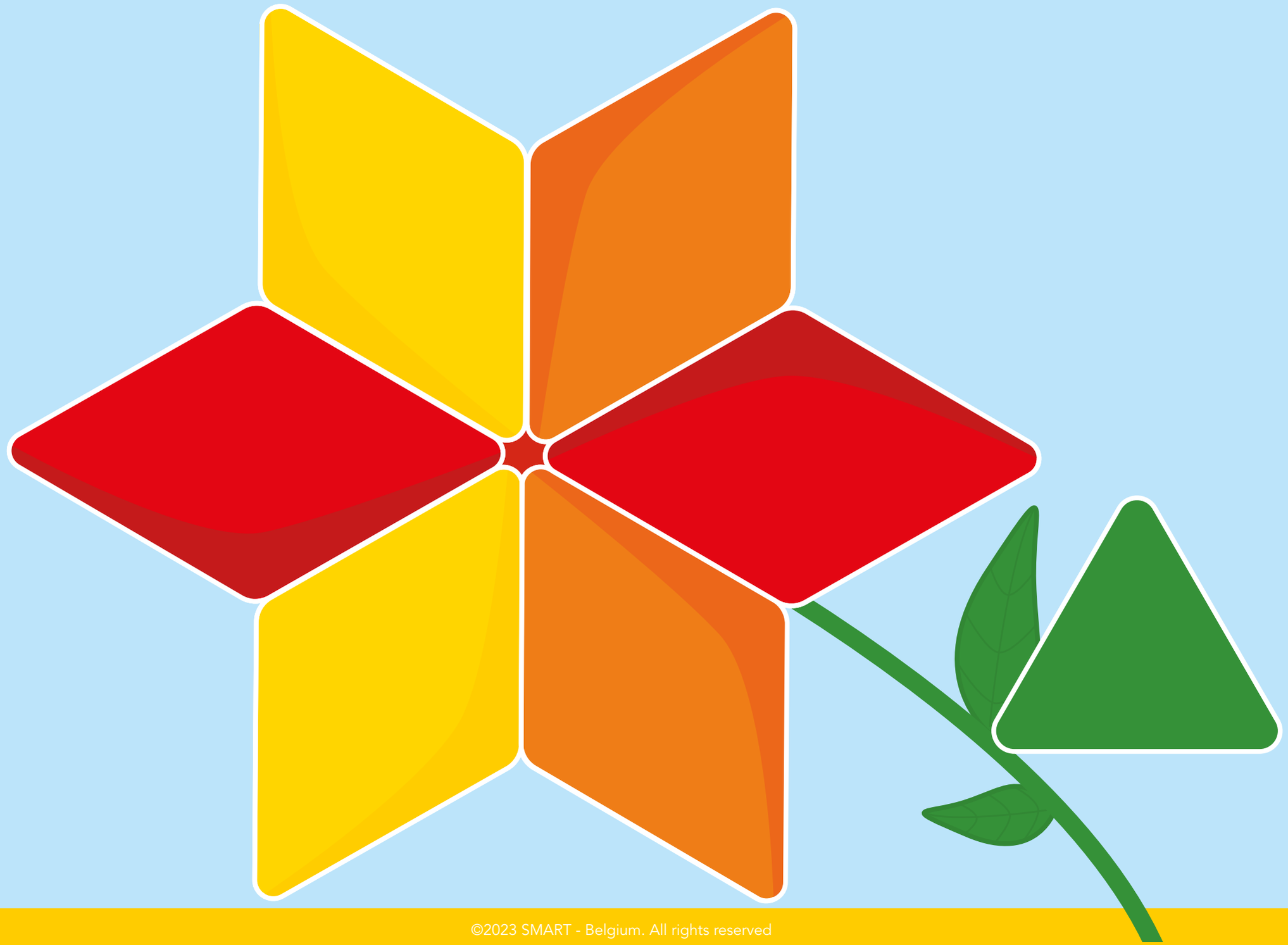
1. SHAPES AND COLOURS

©2023 SMART - Belgium. All rights reserved

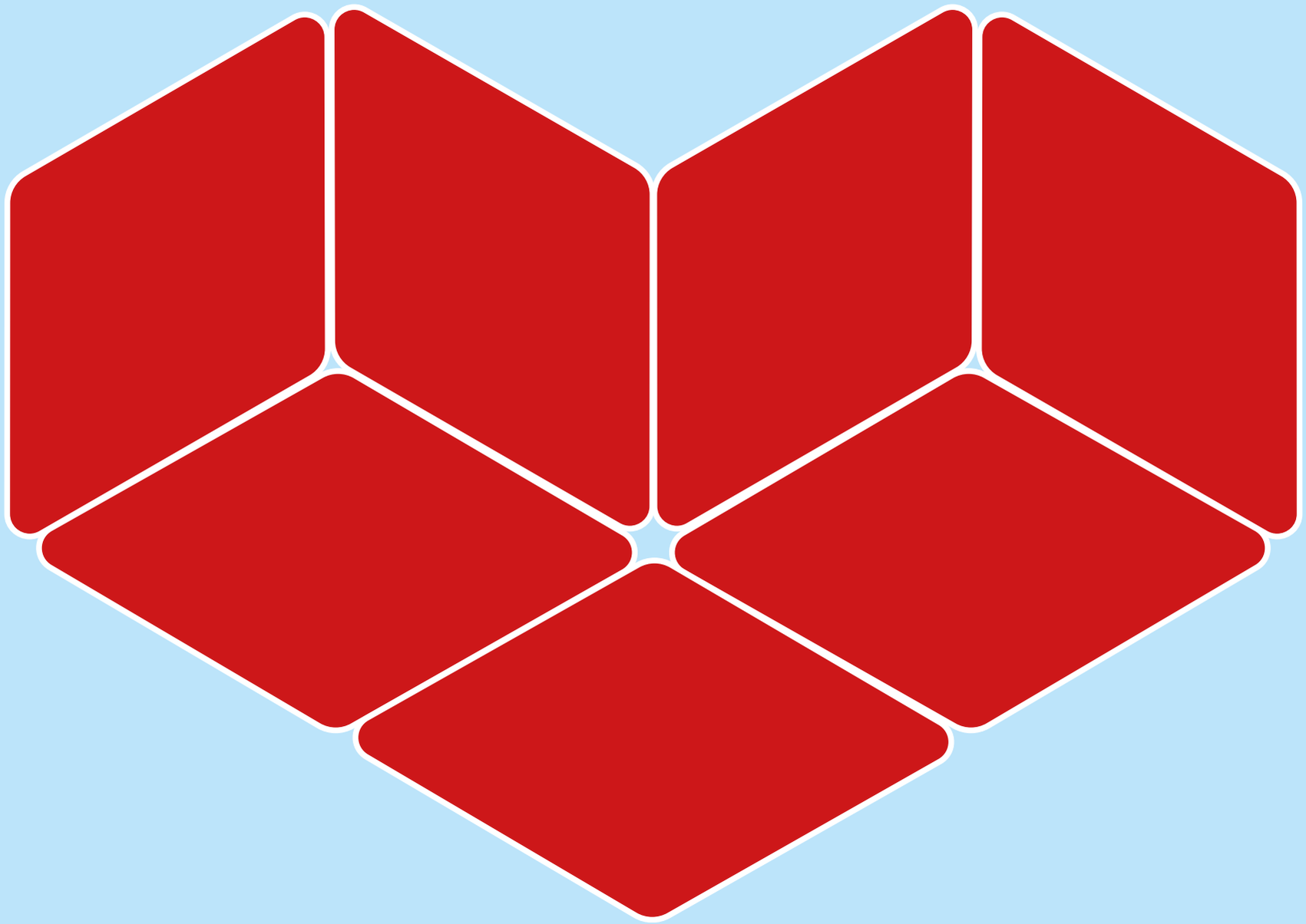


©2023 SMART - Belgium. All rights reserved

1. SHAPES AND COLOURS

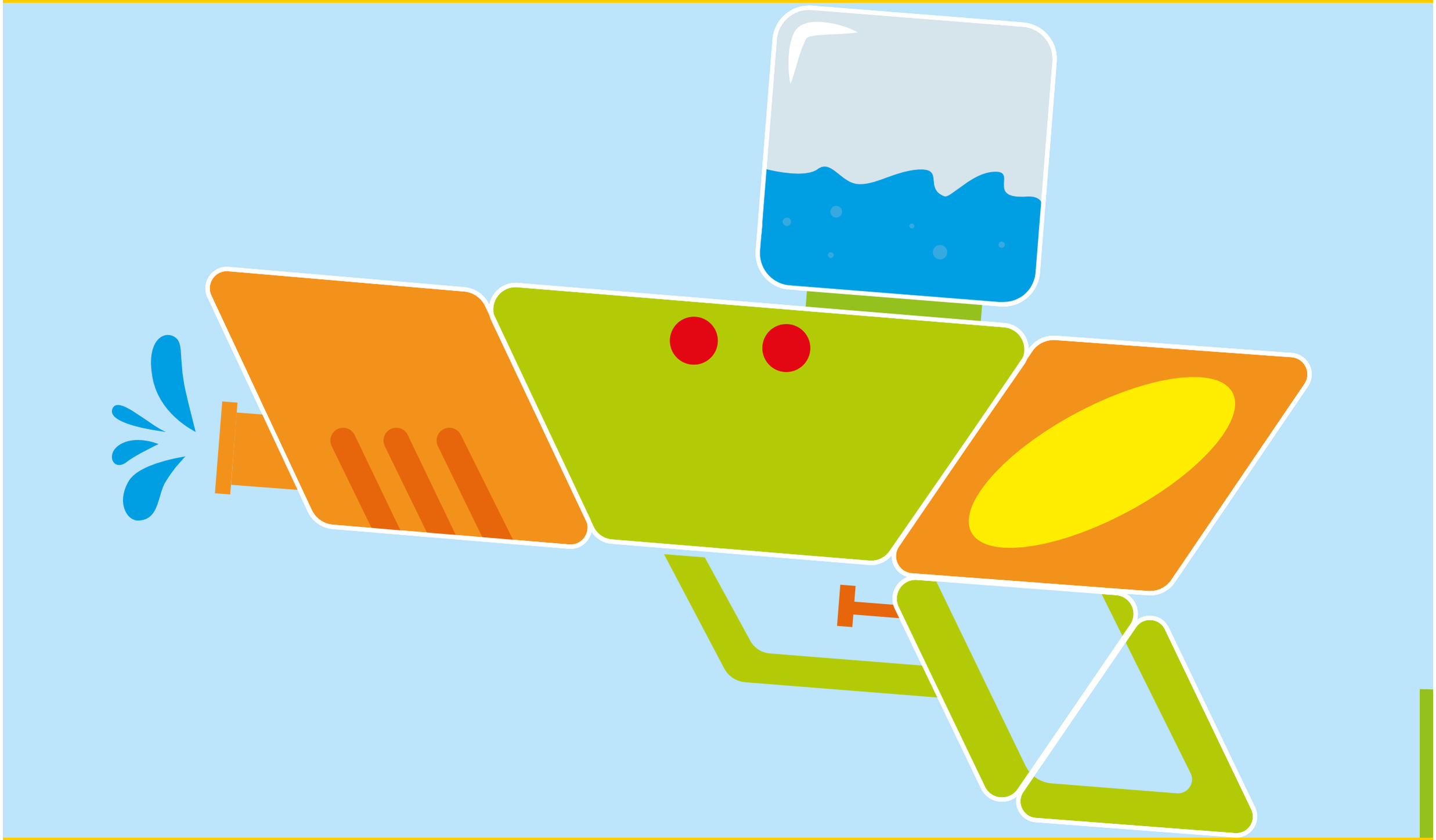


©2023 SMART - Belgium. All rights reserved

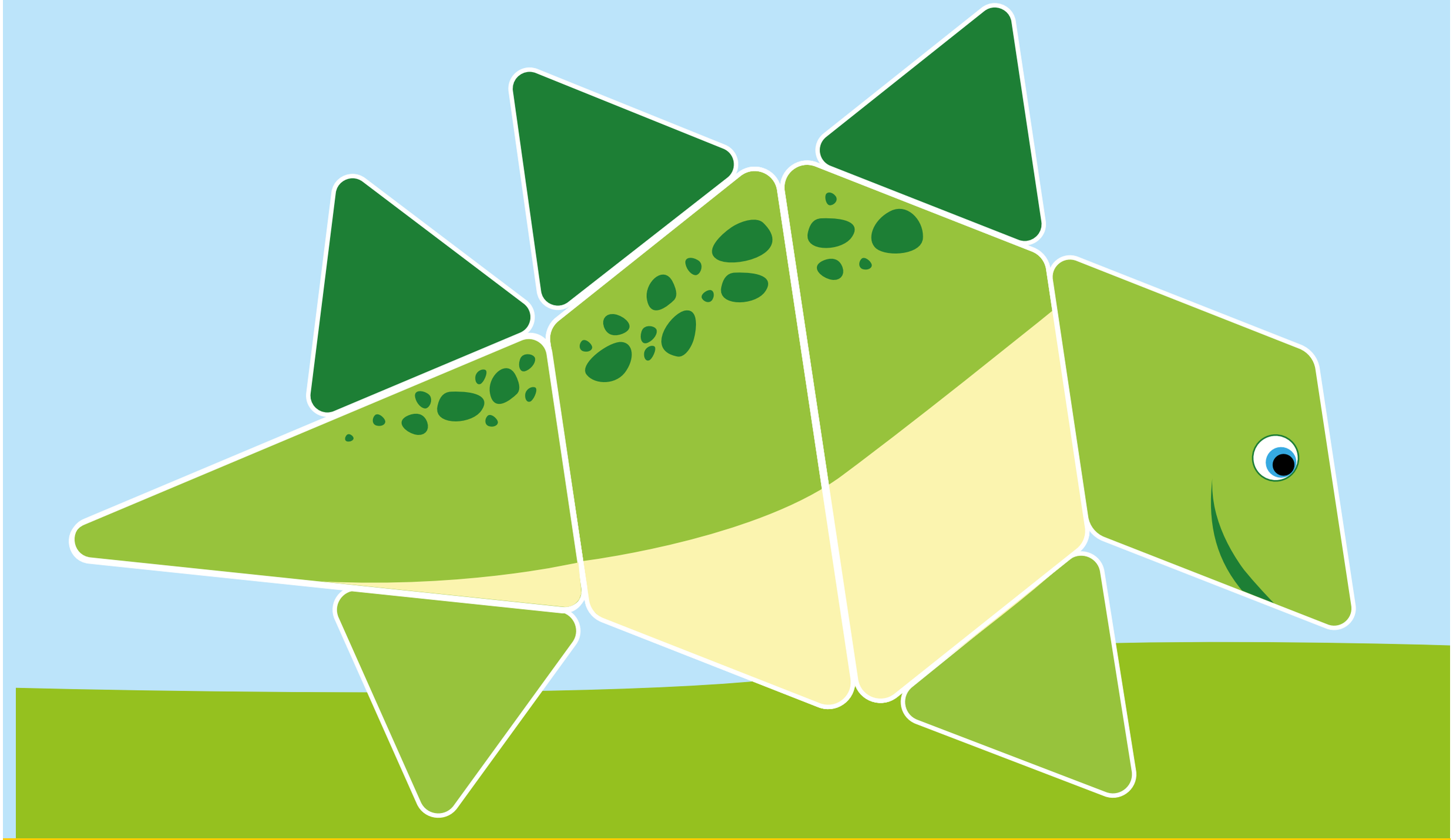


©2023 SMART - Belgium. All rights reserved

1. SHAPES AND COLOURS

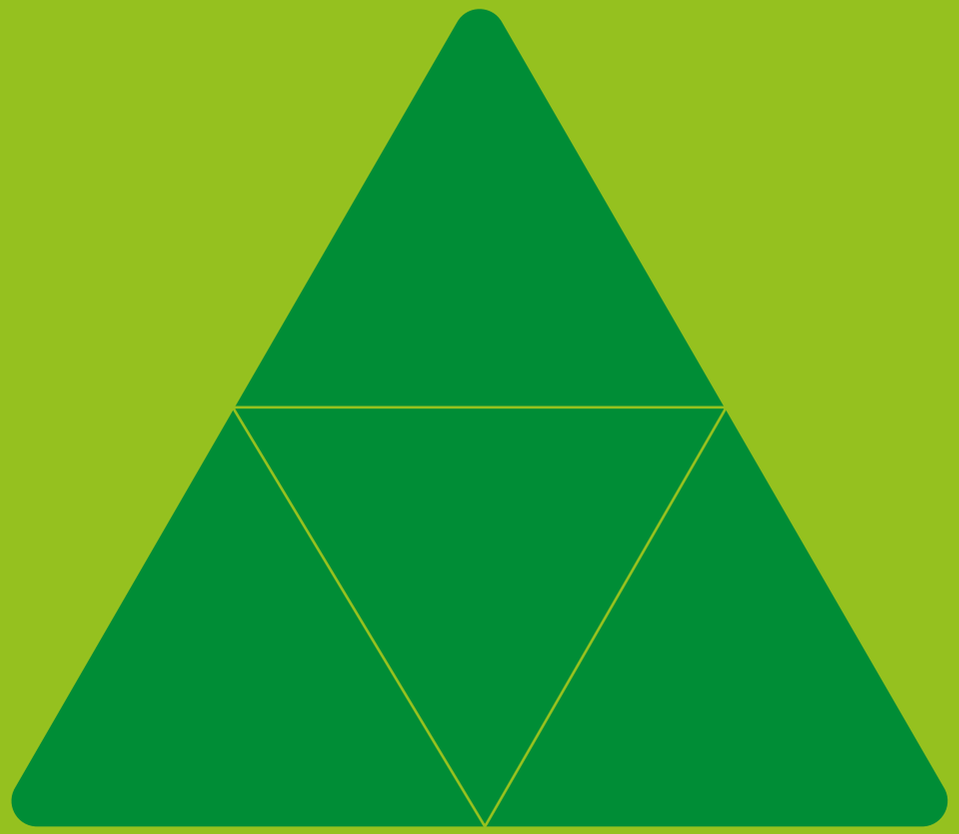


©2023 SMART - Belgium. All rights reserved

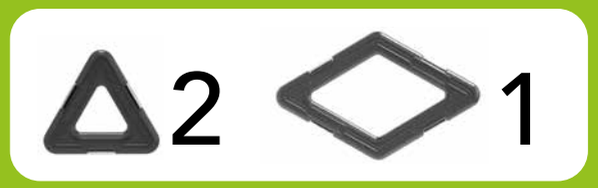


©2023 SMART - Belgium. All rights reserved

2. PATTERN RECOGNITION

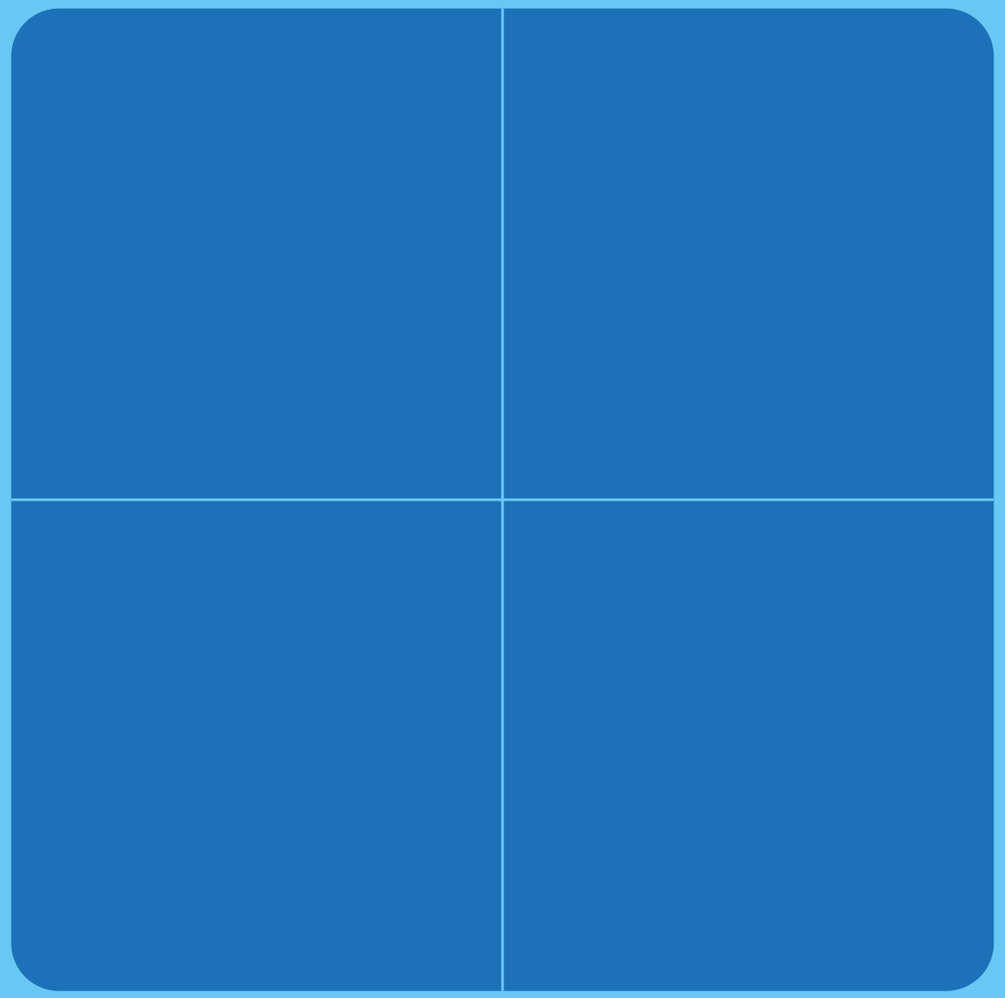


A

B 

C

©2023 SMART - Belgium. All rights reserved



A 2

B 4

C 2 1

©2023 SMART - Belgium. All rights reserved

2. PATTERN RECOGNITION

A 9

B 3

C 3 3

D 3 2

©2023 SMART - Belgium. All rights reserved

A 12

B 6 2

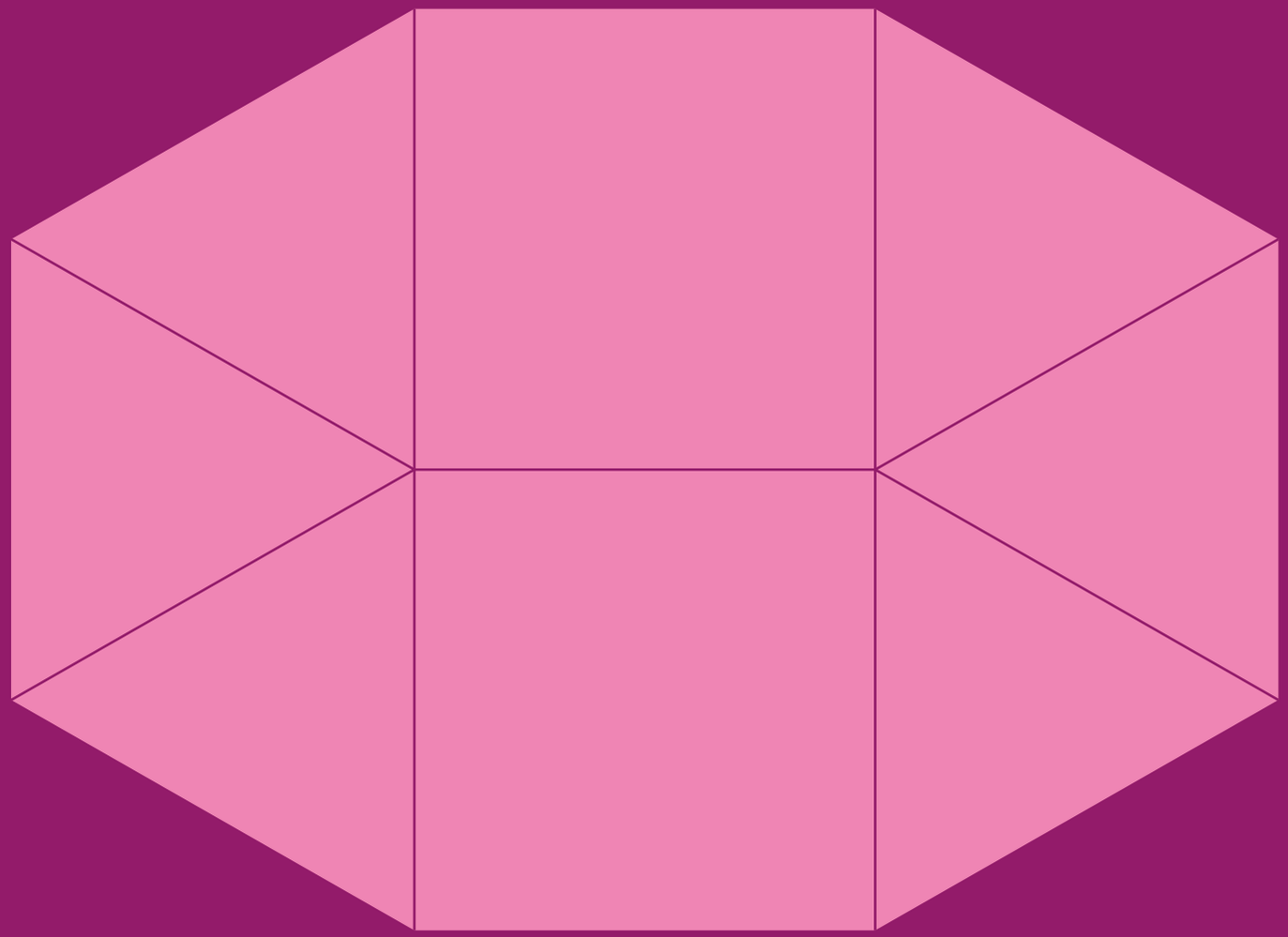
C 6

D 6 3

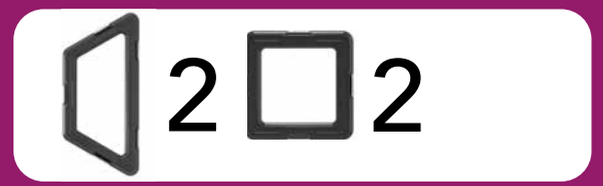
E 2 2 2

©2023 SMART - Belgium. All rights reserved

2. PATTERN RECOGNITION



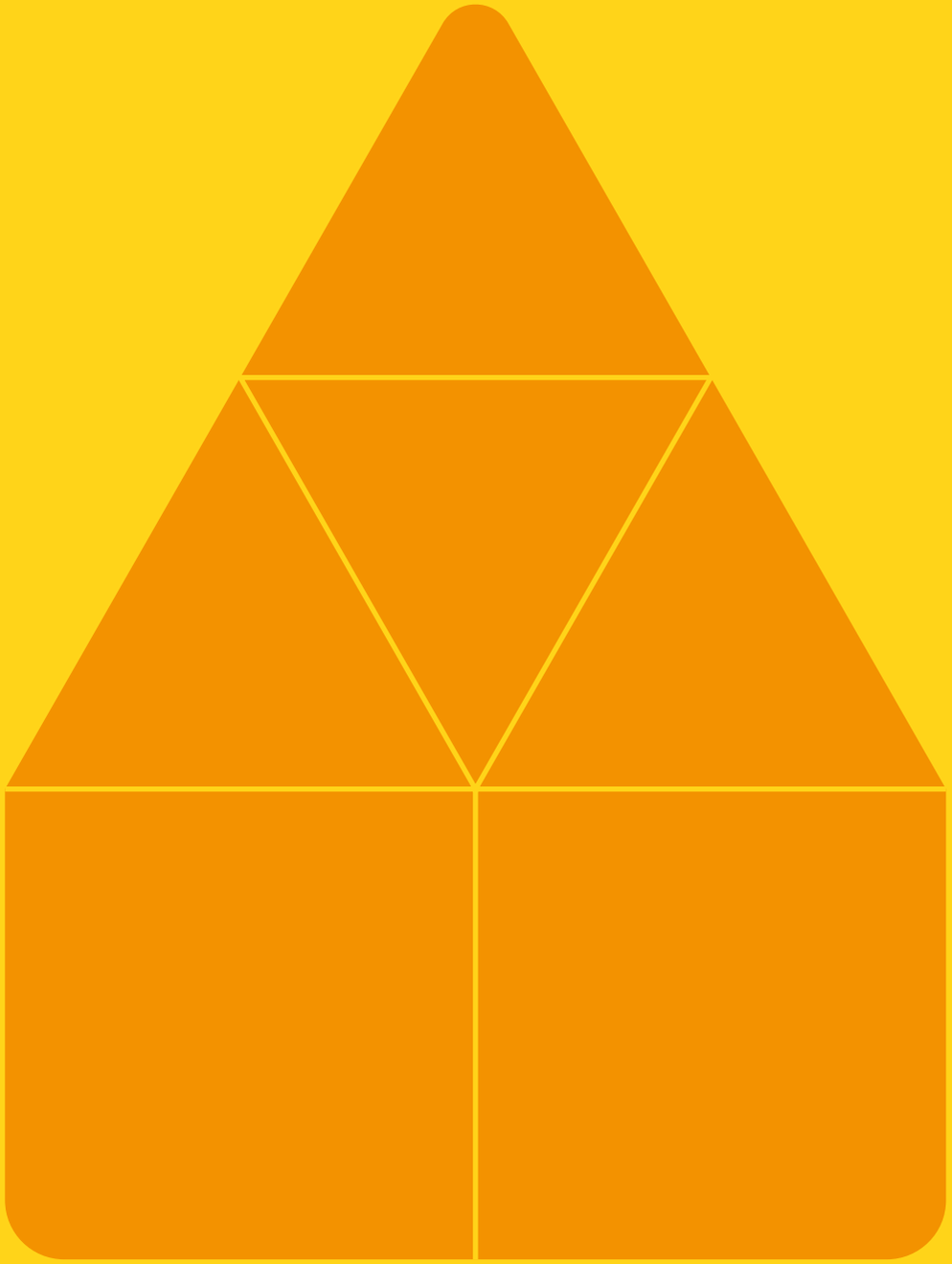
A

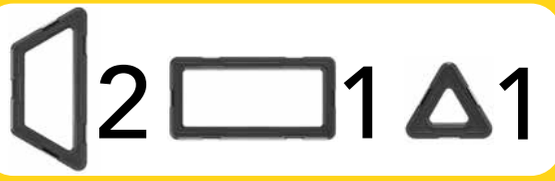
B 

C

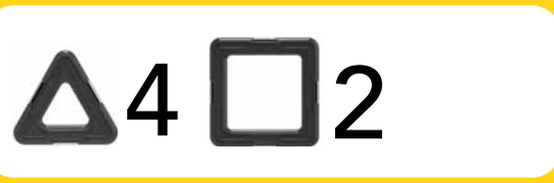
D

©2023 SMART - Belgium. All rights reserved



A 

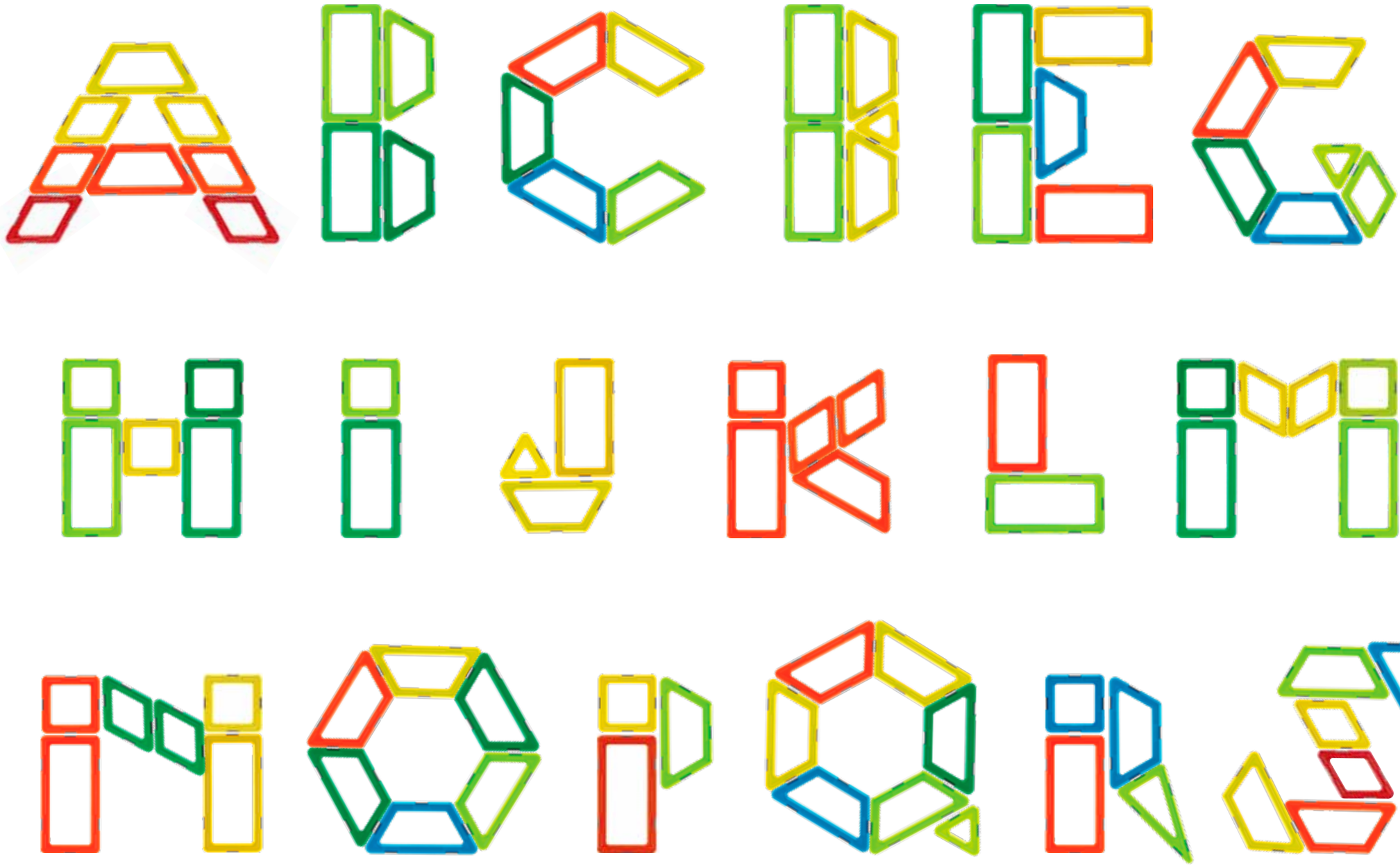
B

C 

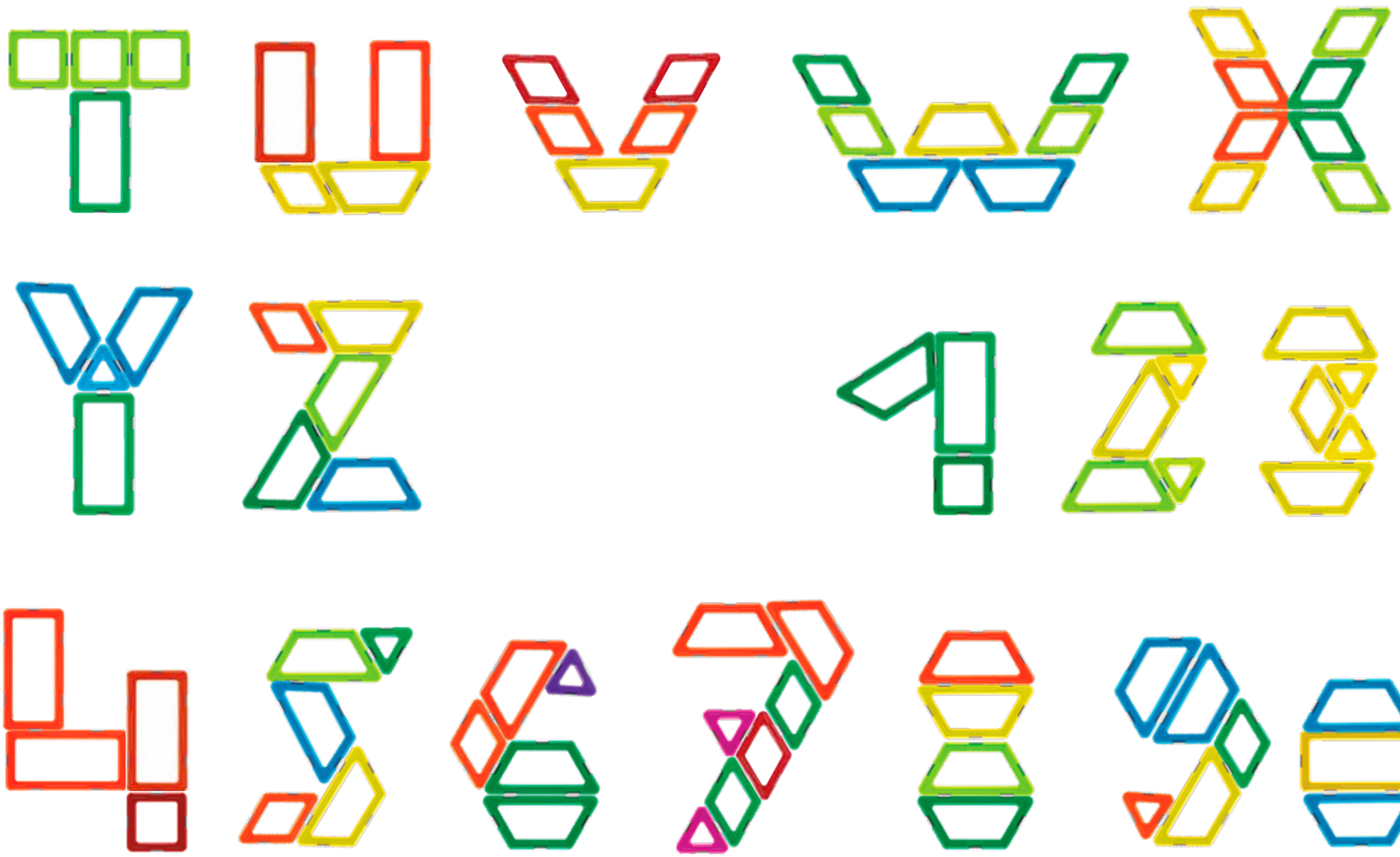
D

©2023 SMART - Belgium. All rights reserved

2. PATTERN RECOGNITION

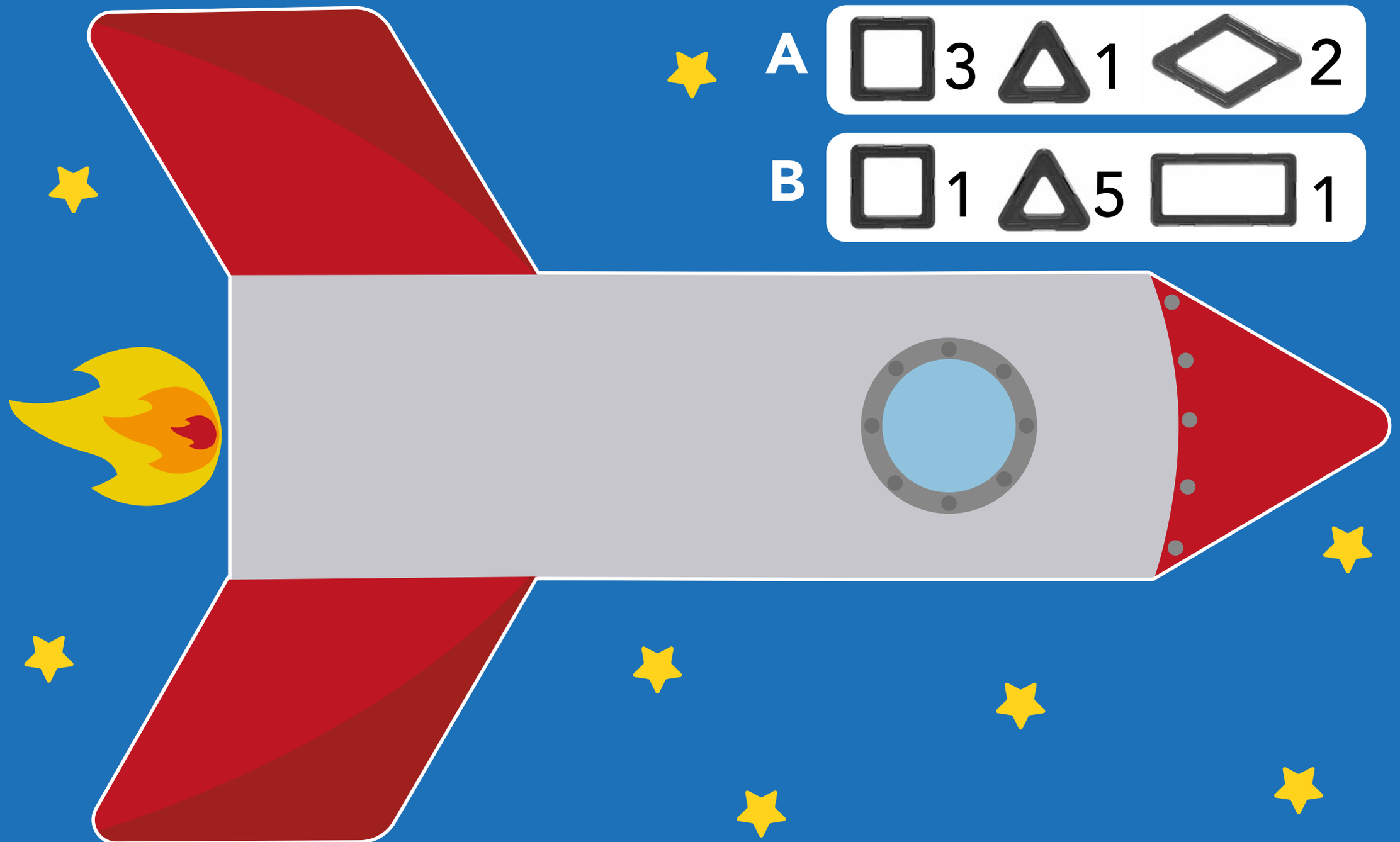


©2023 SMART - Belgium. All rights reserved



©2023 SMART - Belgium. All rights reserved

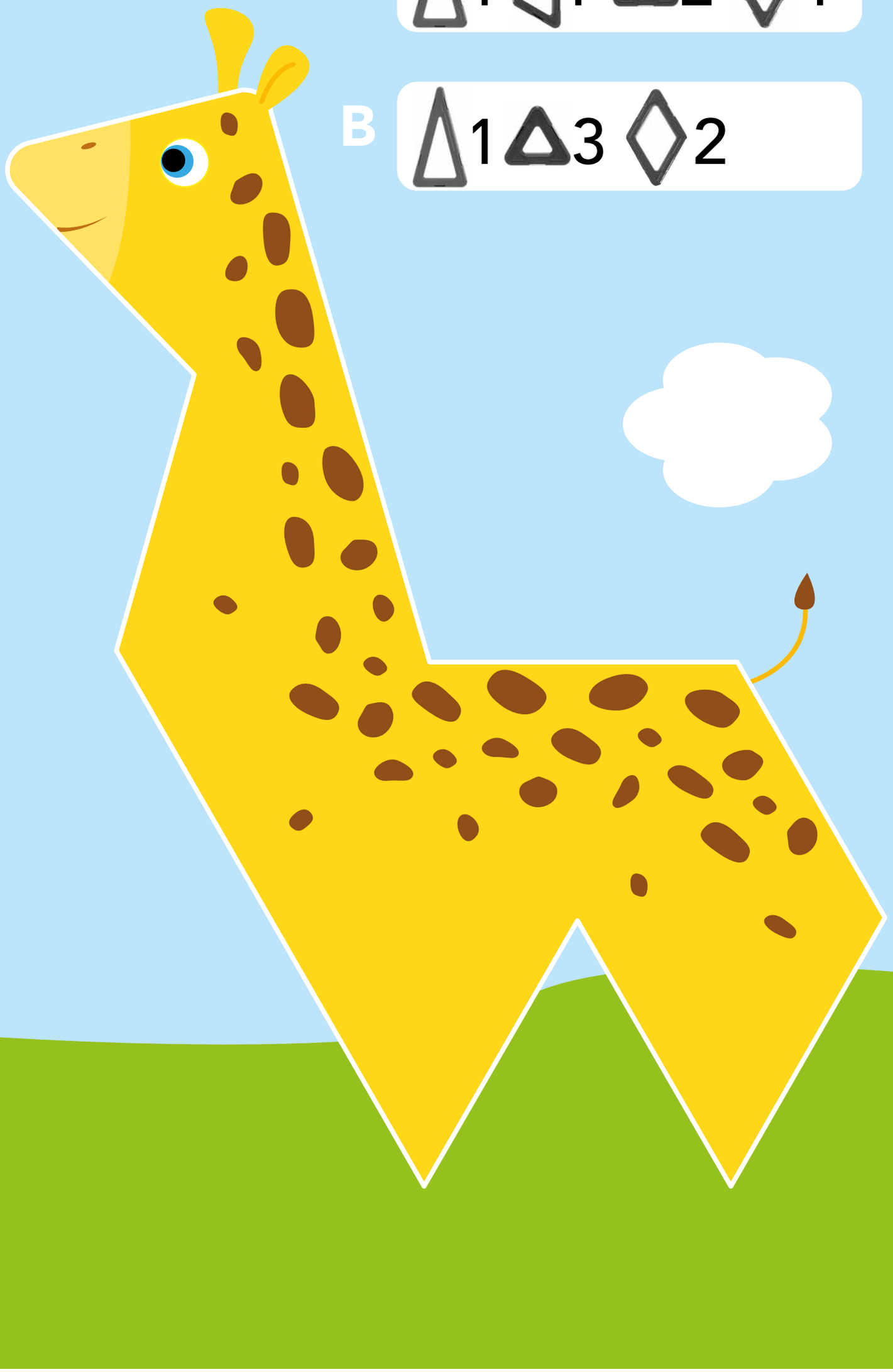
3. 2D SHAPES & FIGURES



©2023 SMART - Belgium. All rights reserved

A 1 1 2 1

B 1 3 2

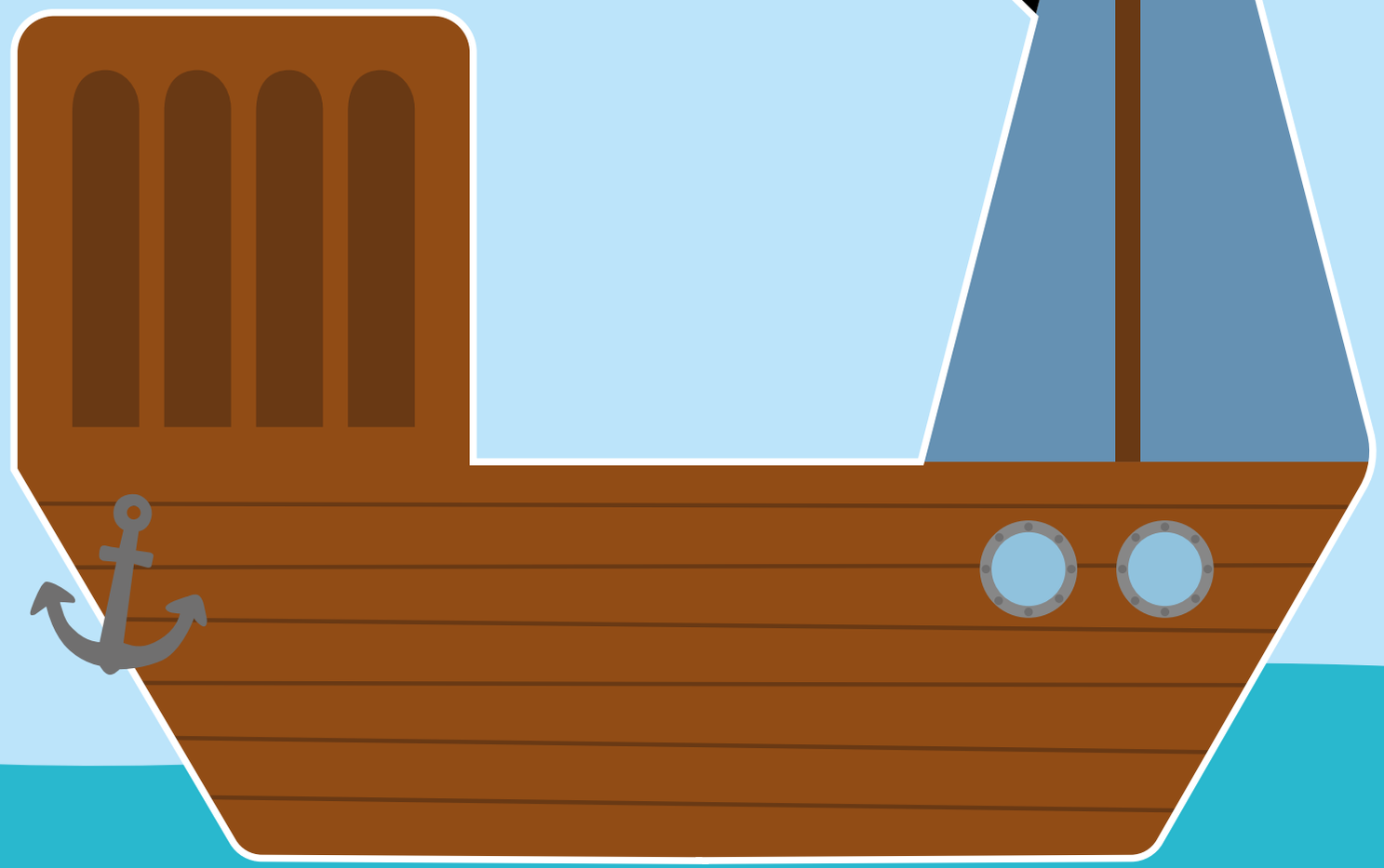


©2023 SMART - Belgium. All rights reserved

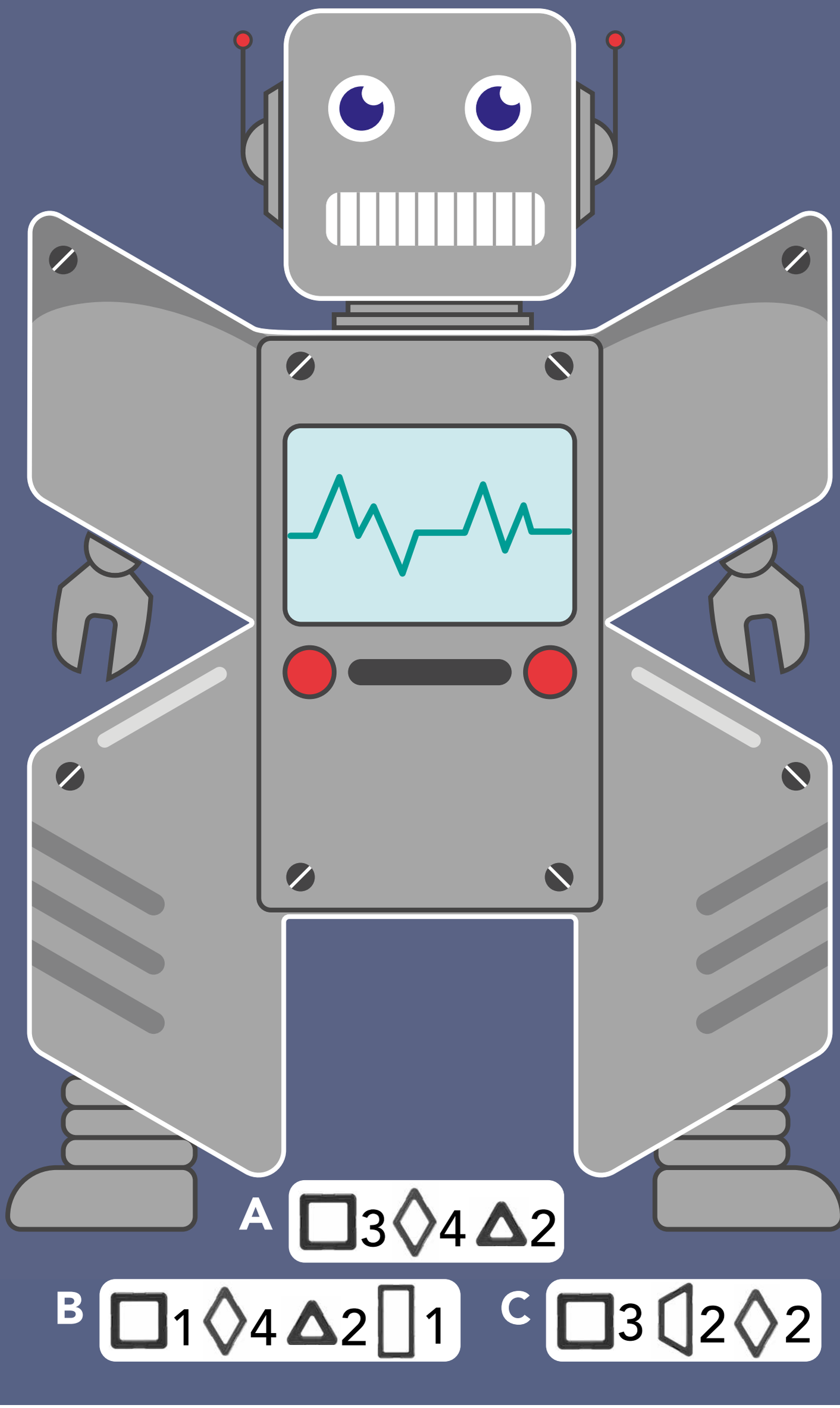
3. 2D SHAPES & FIGURES

A 1 1 1 1 1

B 1 2 1 2



©2023 SMART - Belgium. All rights reserved



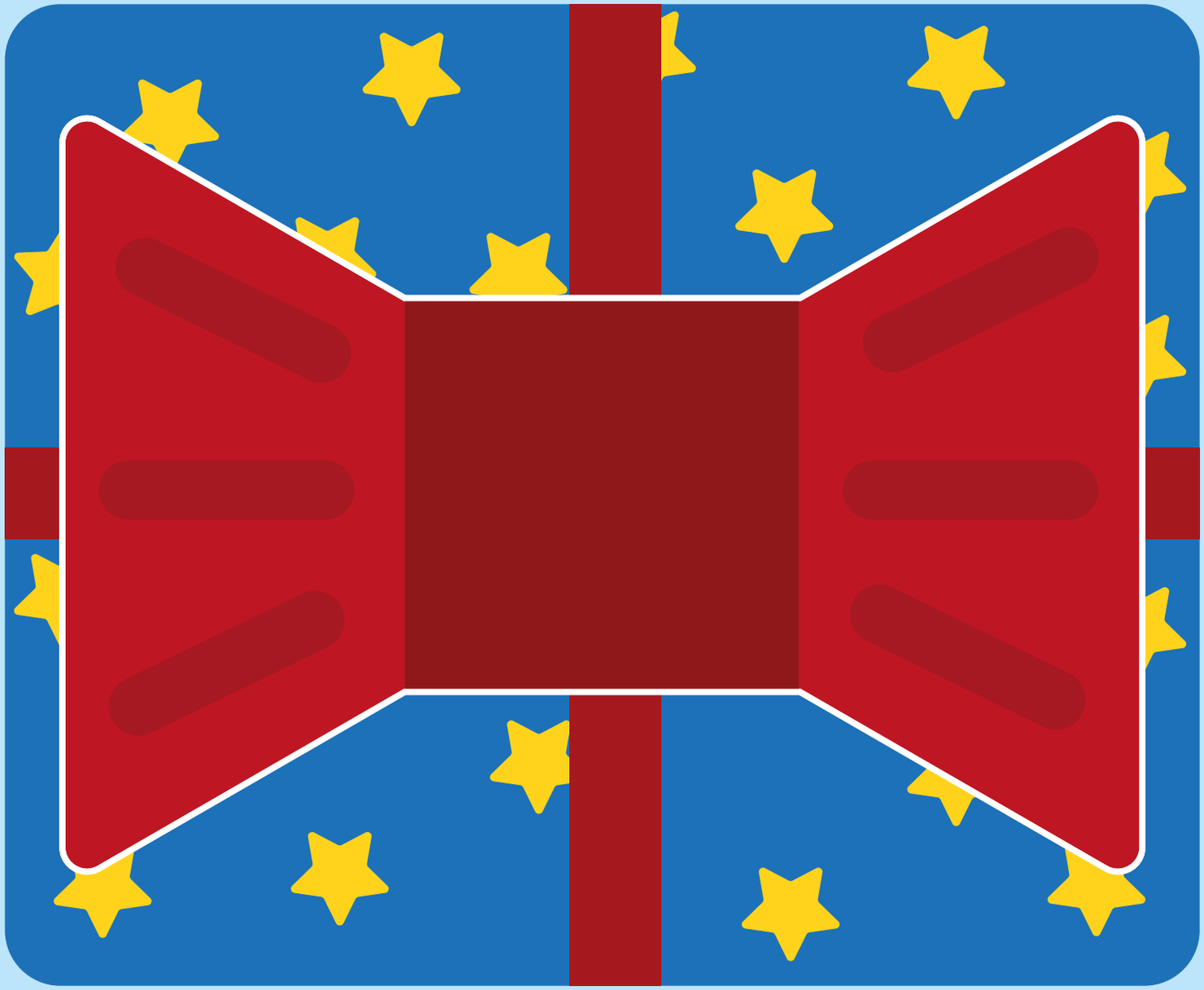
©2023 SMART - Belgium. All rights reserved

3. 2D SHAPES & FIGURES

A 2 1

B 6 1

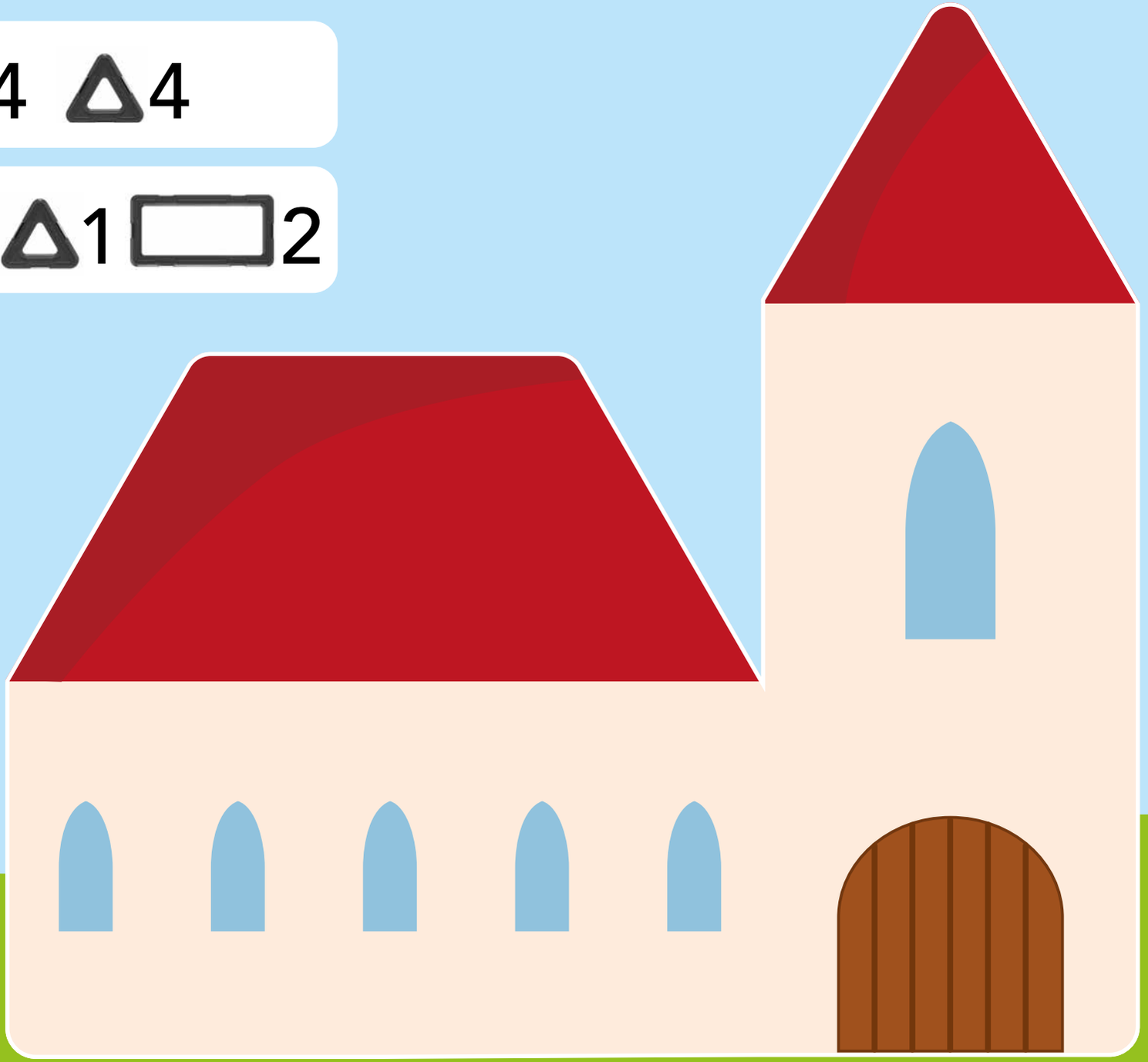
C 2 1 2



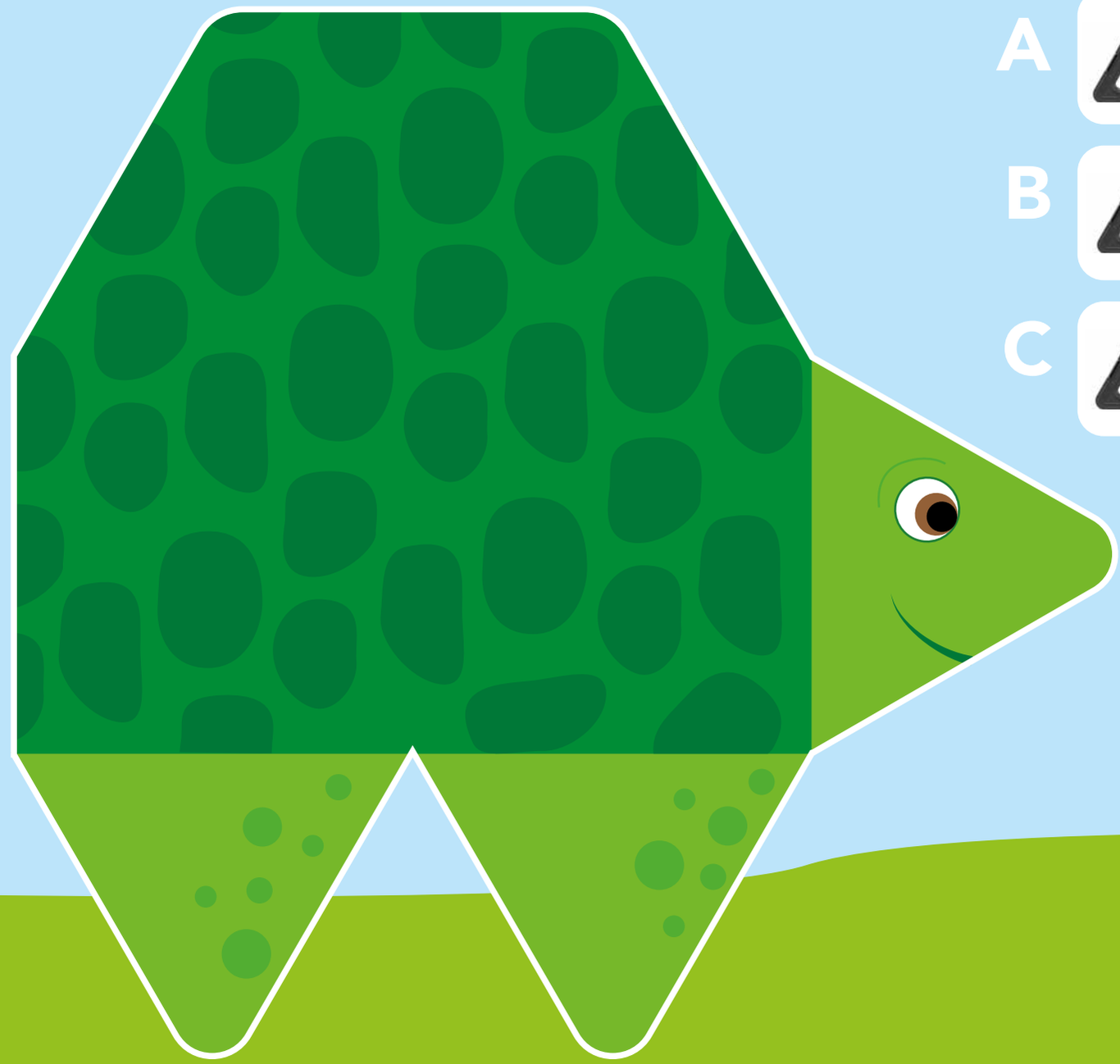
©2023 SMART - Belgium. All rights reserved

A 4 4

B 1 1 2



©2023 SMART - Belgium. All rights reserved

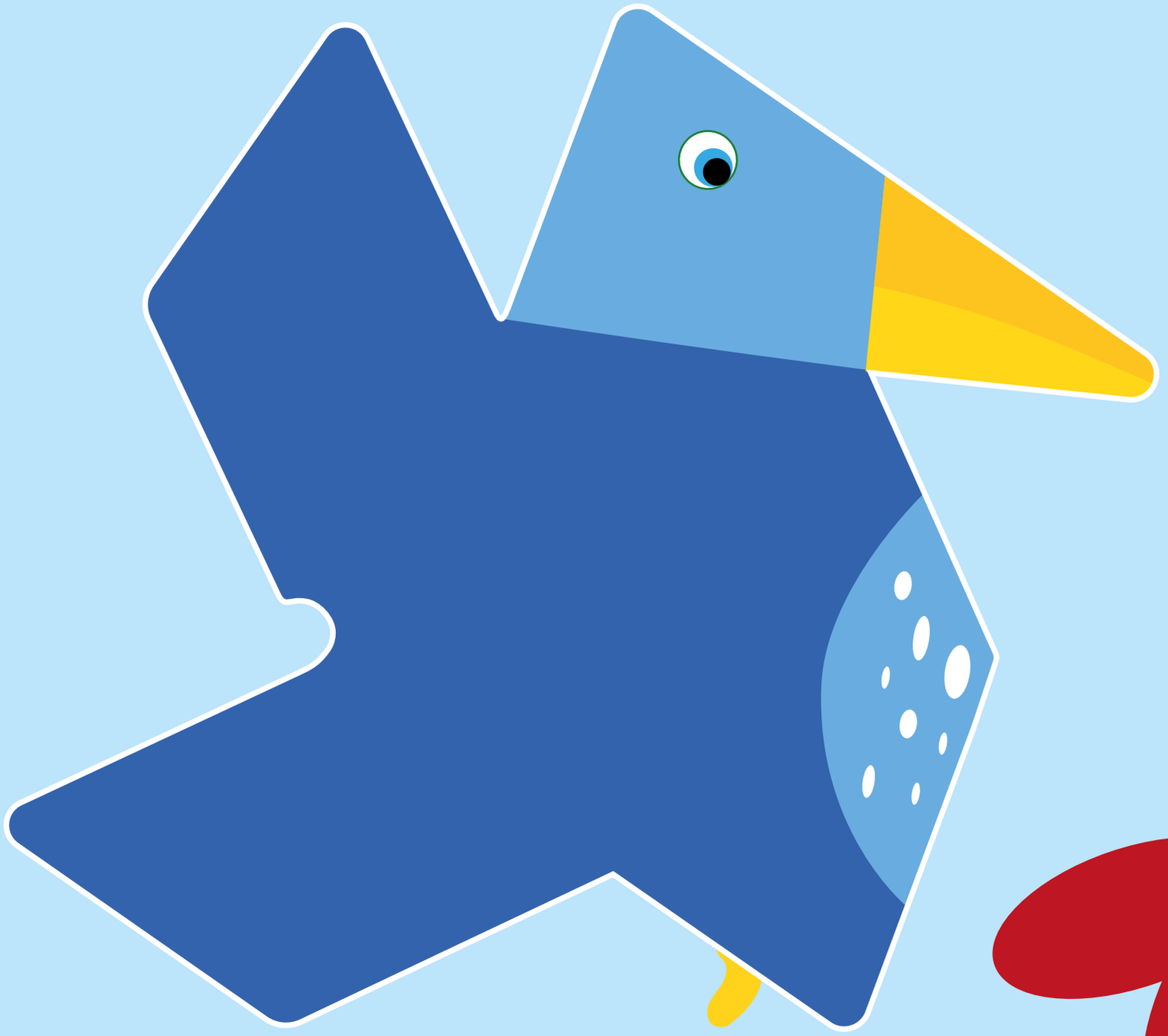


A 6 2

B 3 1 1

C 4 2 1

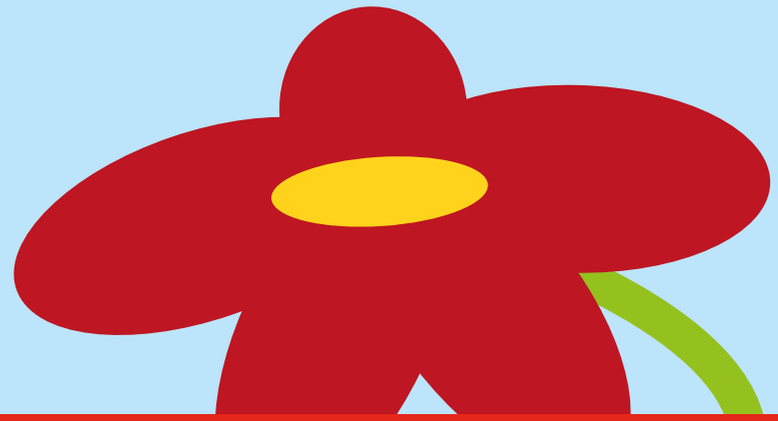
©2023 SMART - Belgium. All rights reserved



A 2 2 1

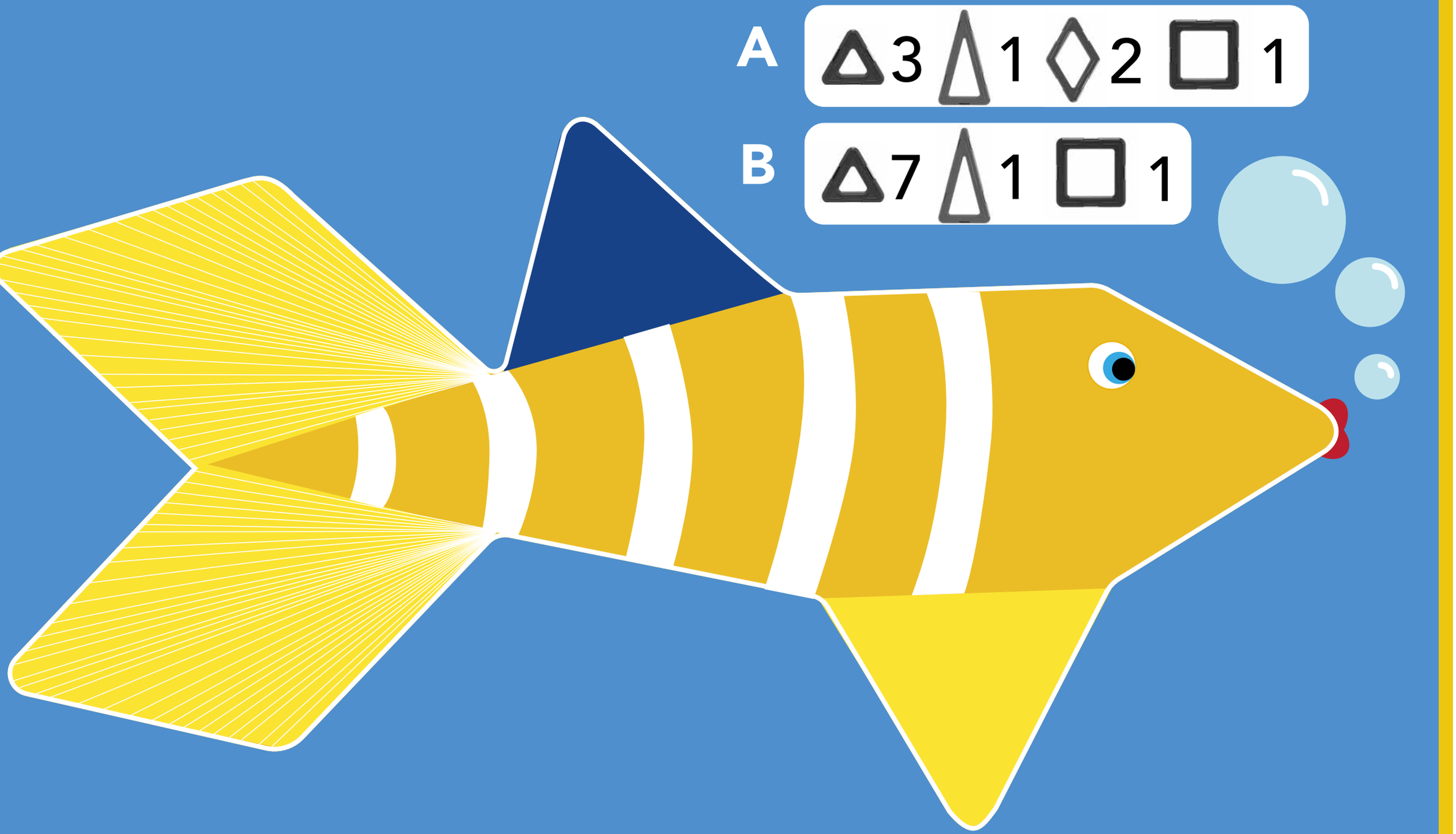
B 2 3 1

C 2 7



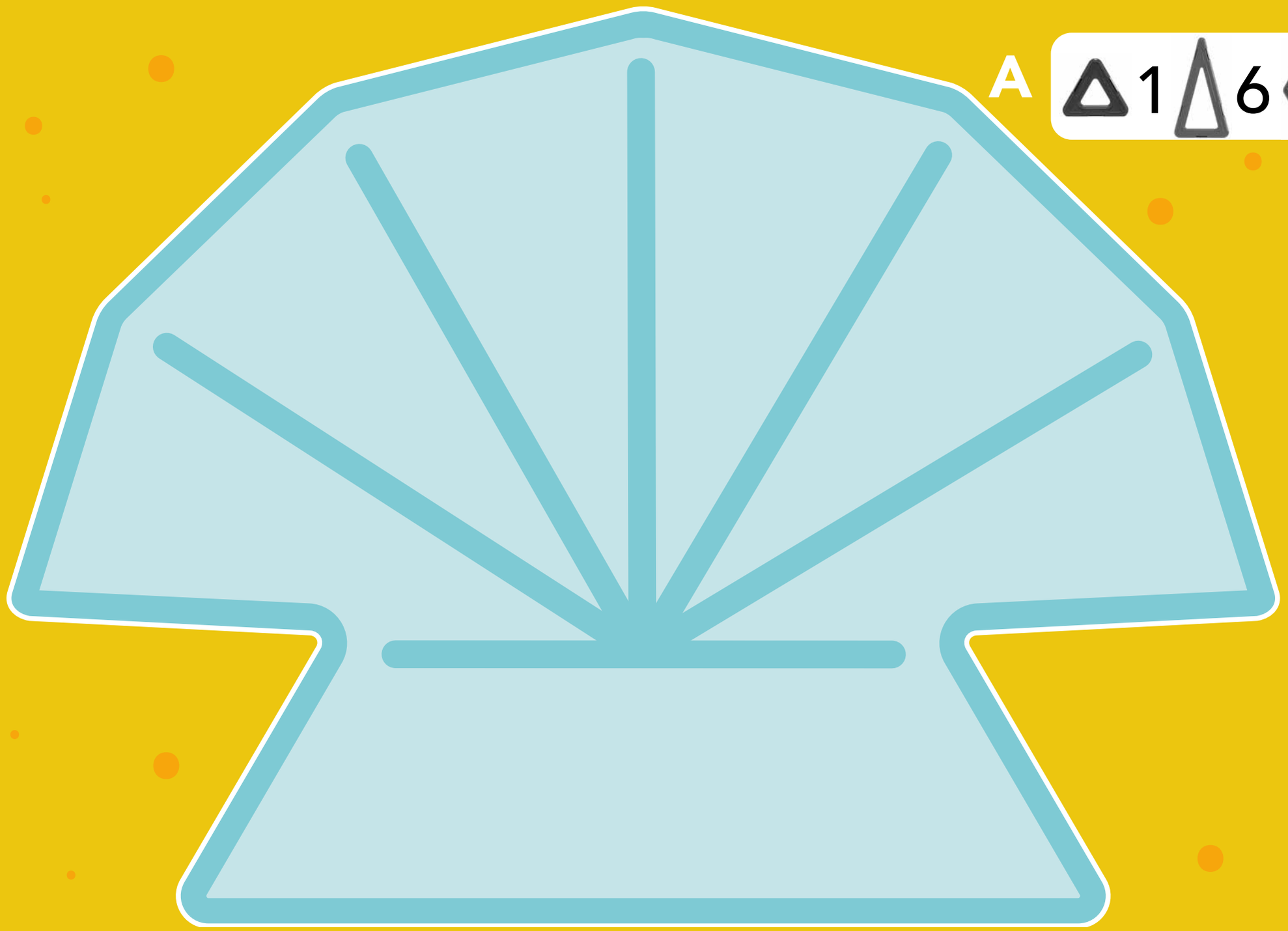
©2023 SMART - Belgium. All rights reserved

3. 2D SHAPES & FIGURES



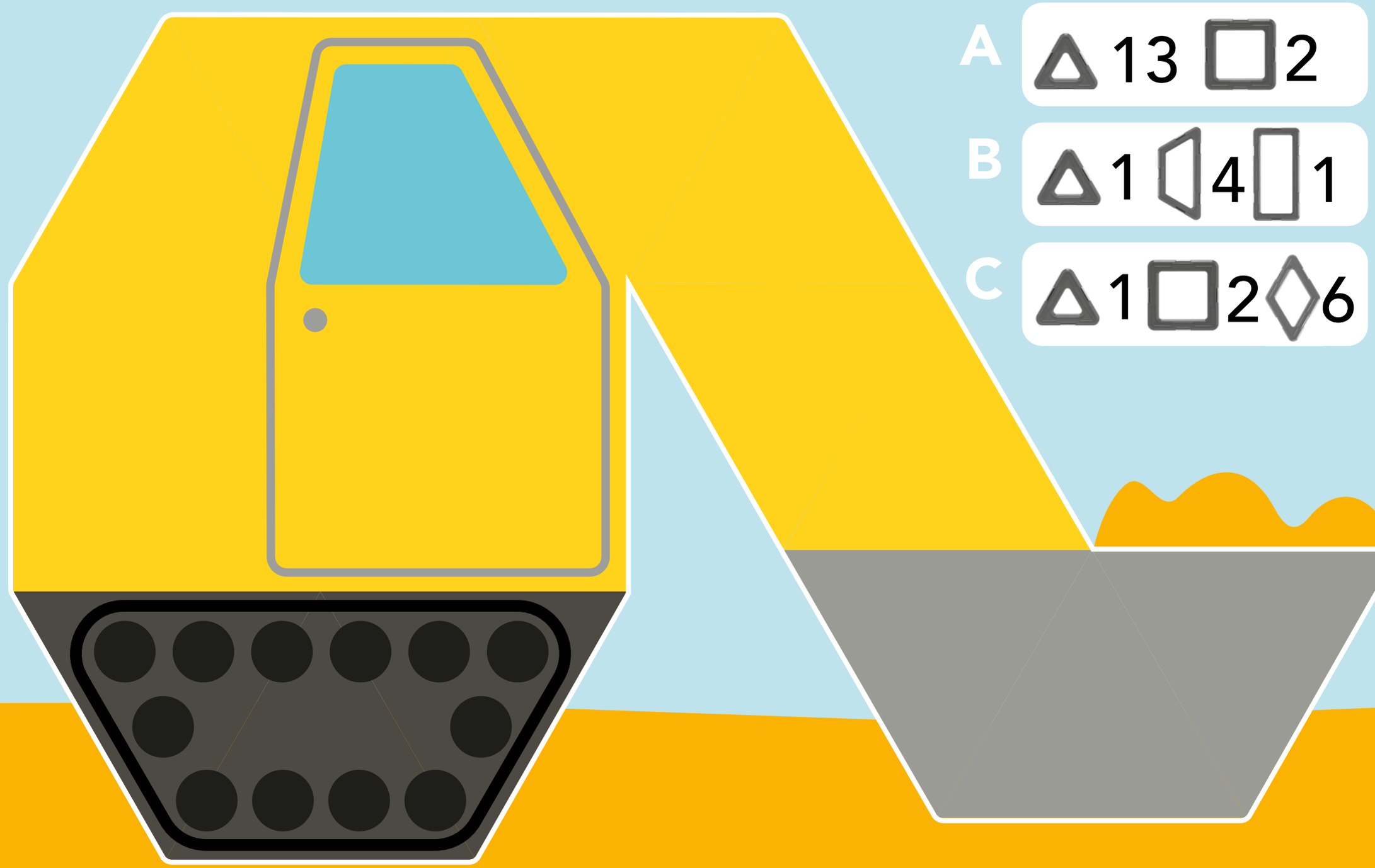
©2023 SMART - Belgium. All rights reserved

A



©2023 SMART - Belgium. All rights reserved

3. 2D SHAPES & FIGURES

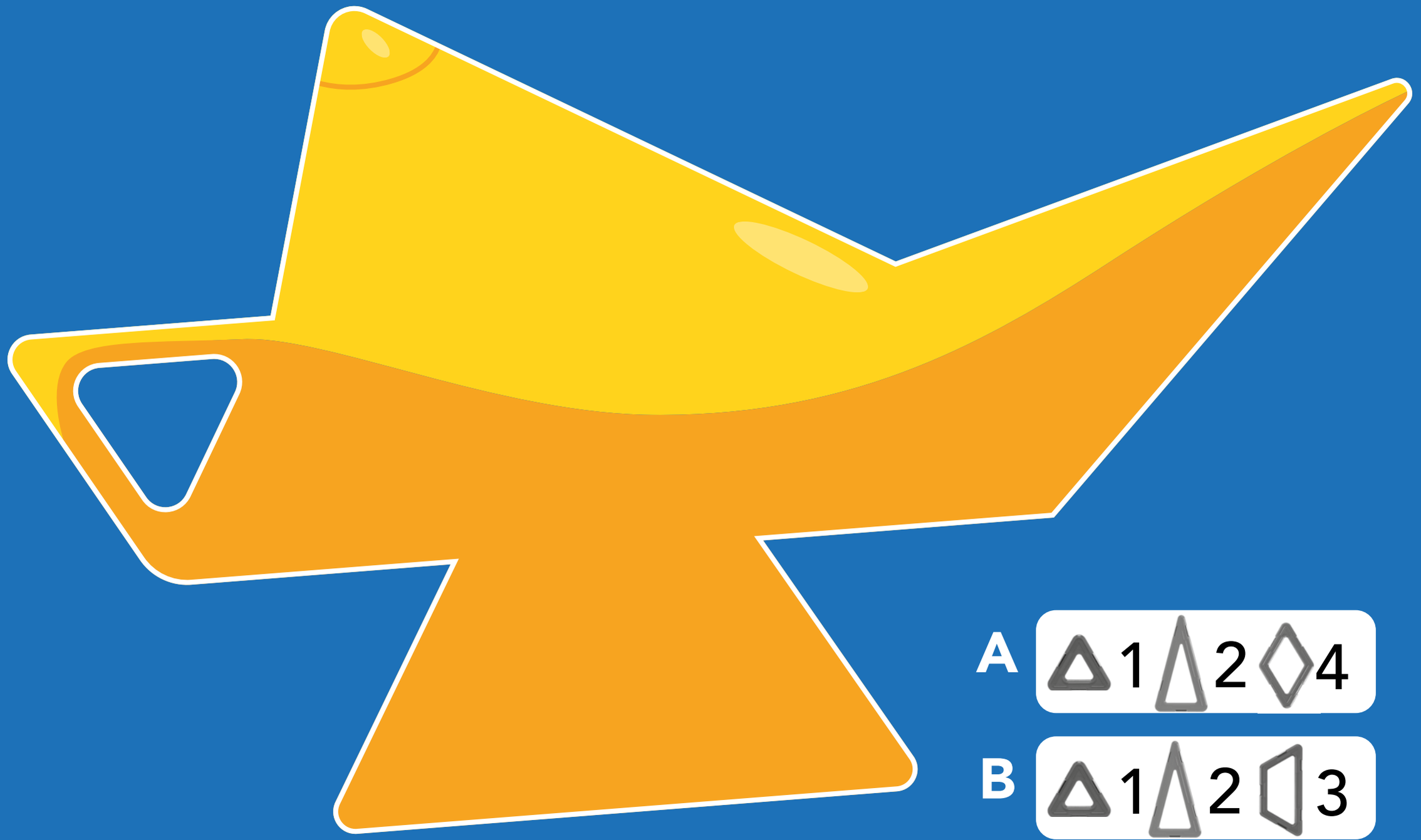


A 13 2

B 1 4 1

C 1 2 6

©2023 SMART - Belgium. All rights reserved



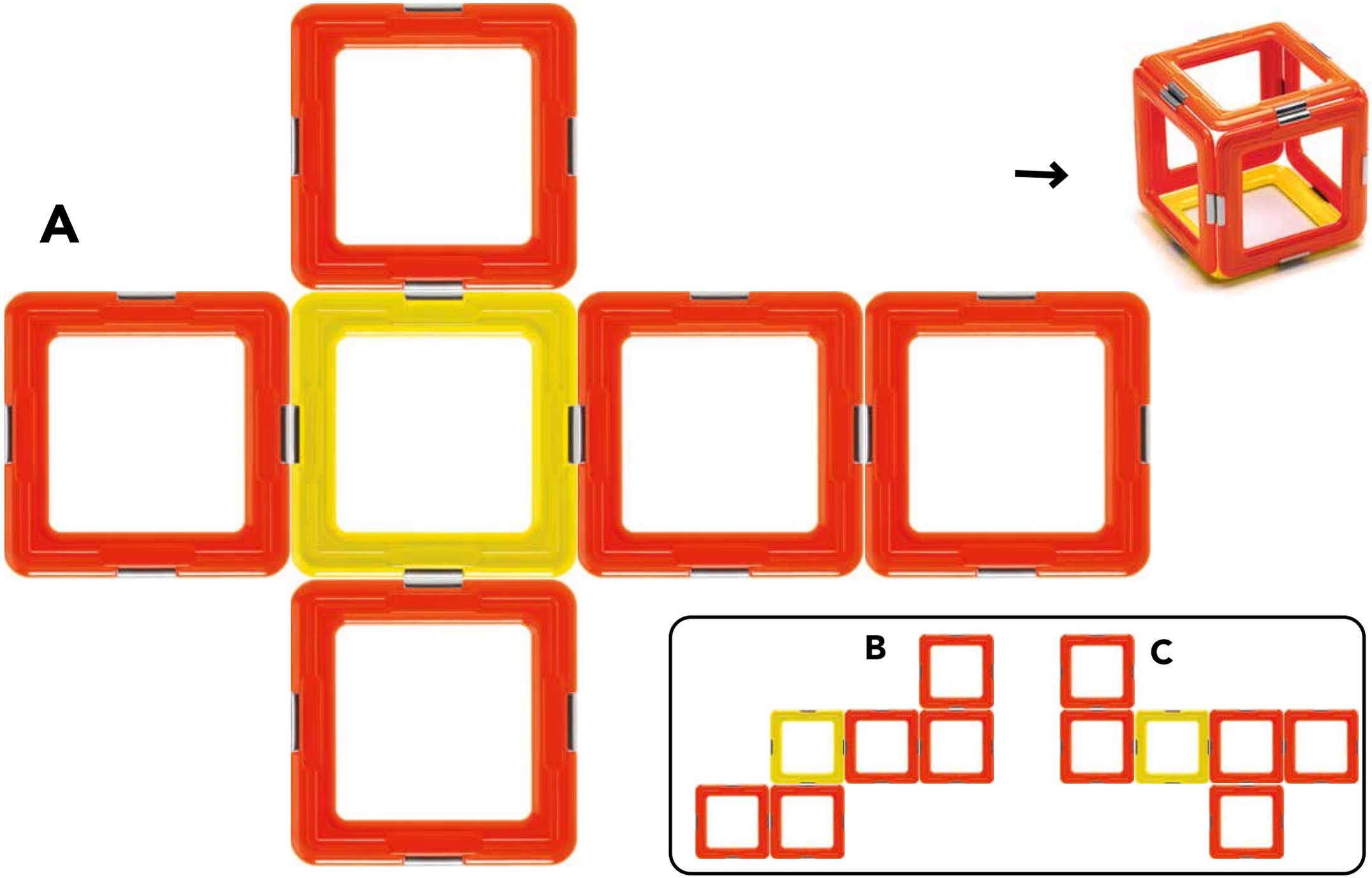
A 1 2 4

B 1 2 3

©2023 SMART - Belgium. All rights reserved

4. 3D BASIC FIGURES

A

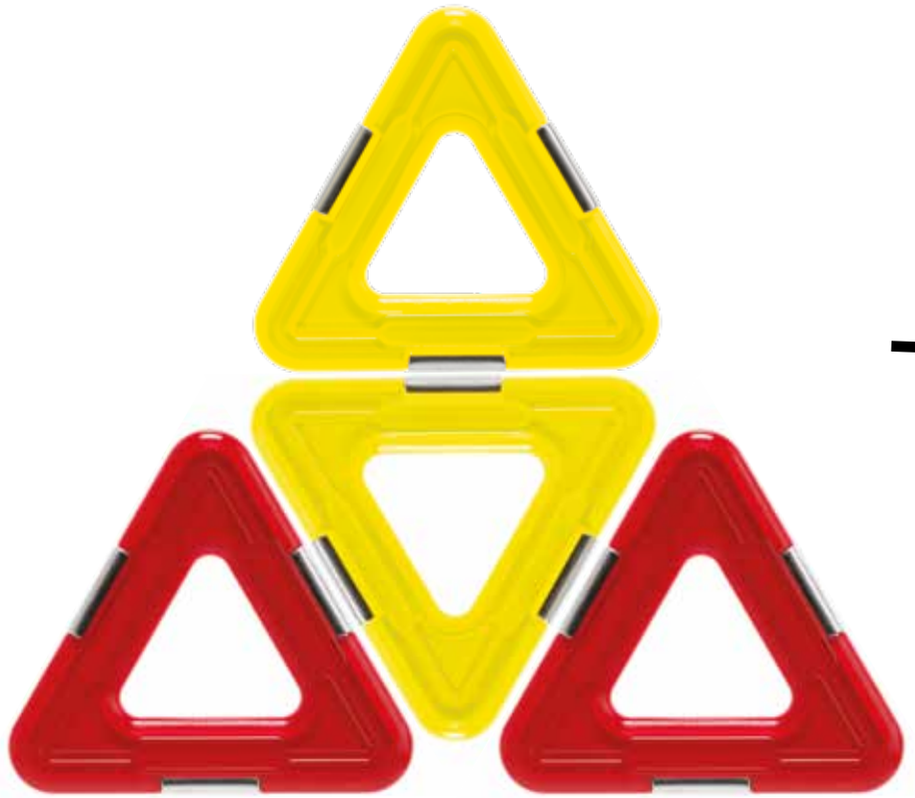


B

C

©2023 SMART - Belgium. All rights reserved

A

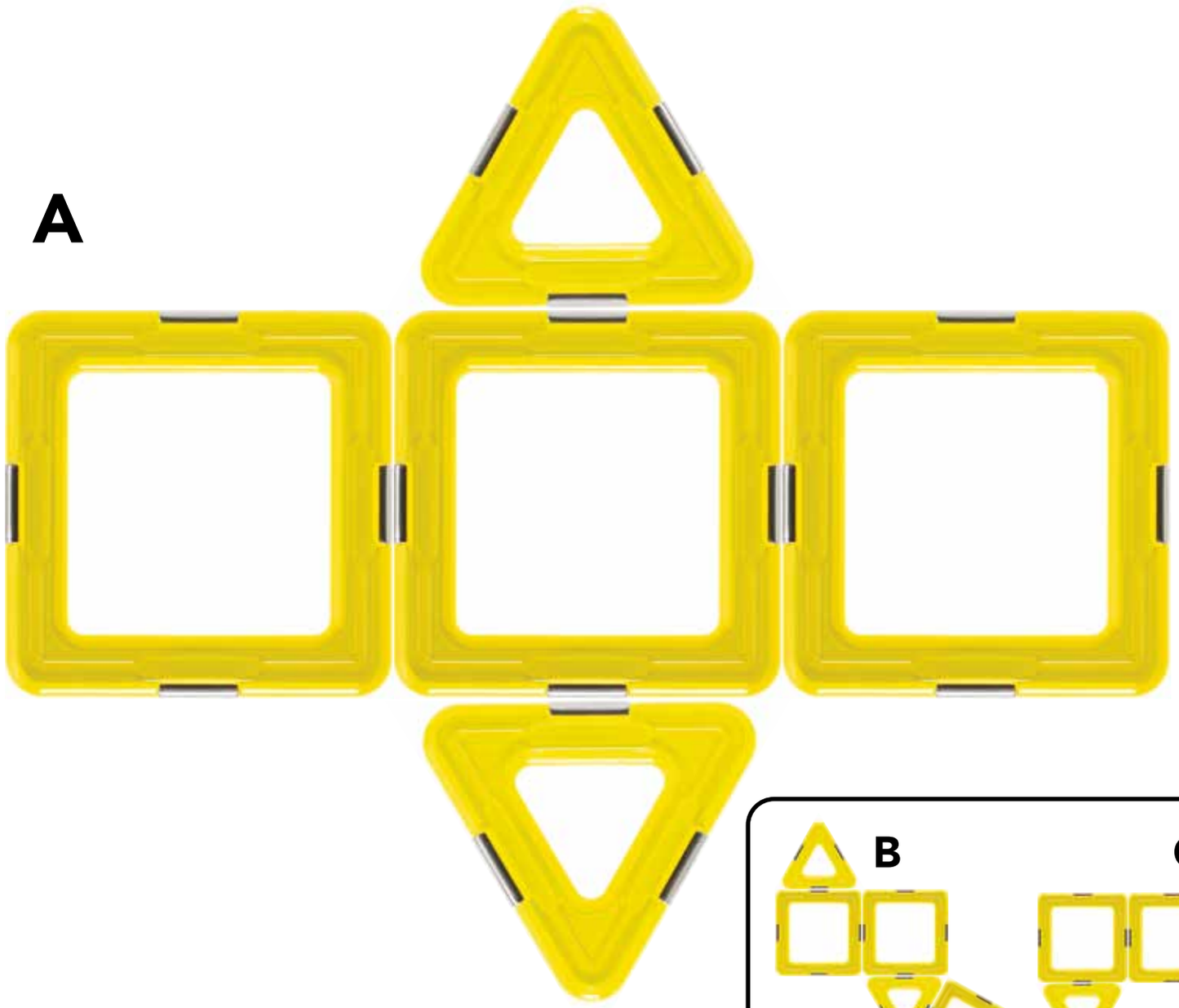


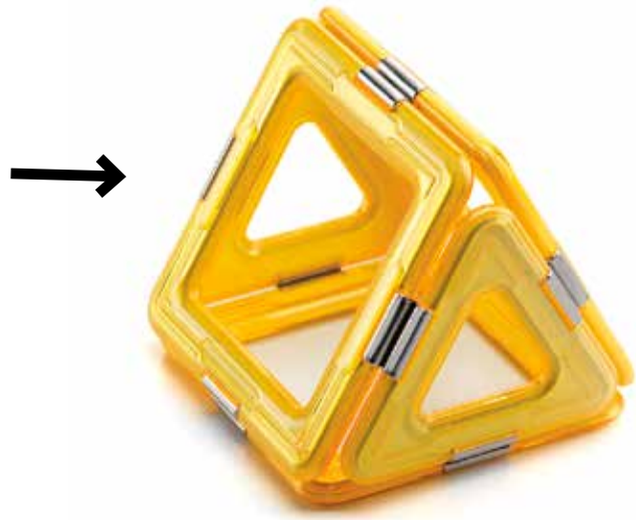
B

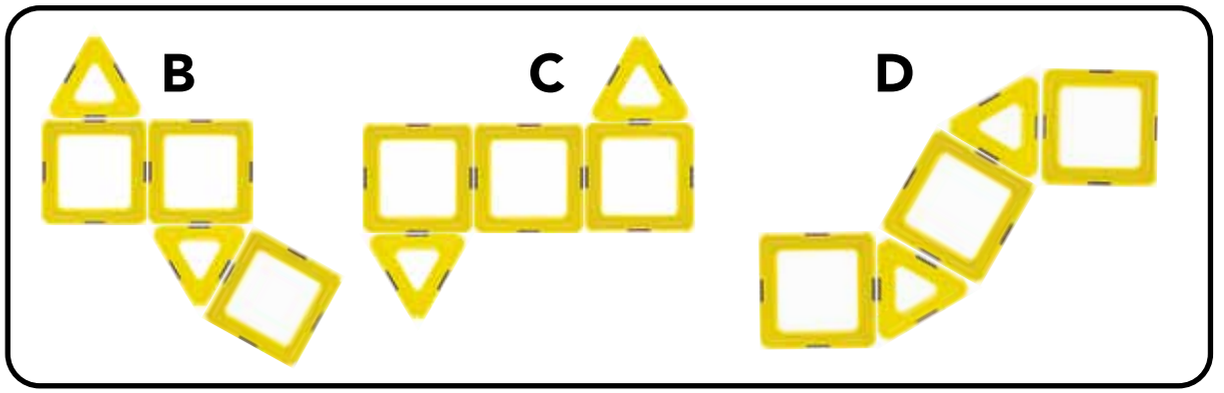
©2023 SMART - Belgium. All rights reserved

4. 3D BASIC FIGURES

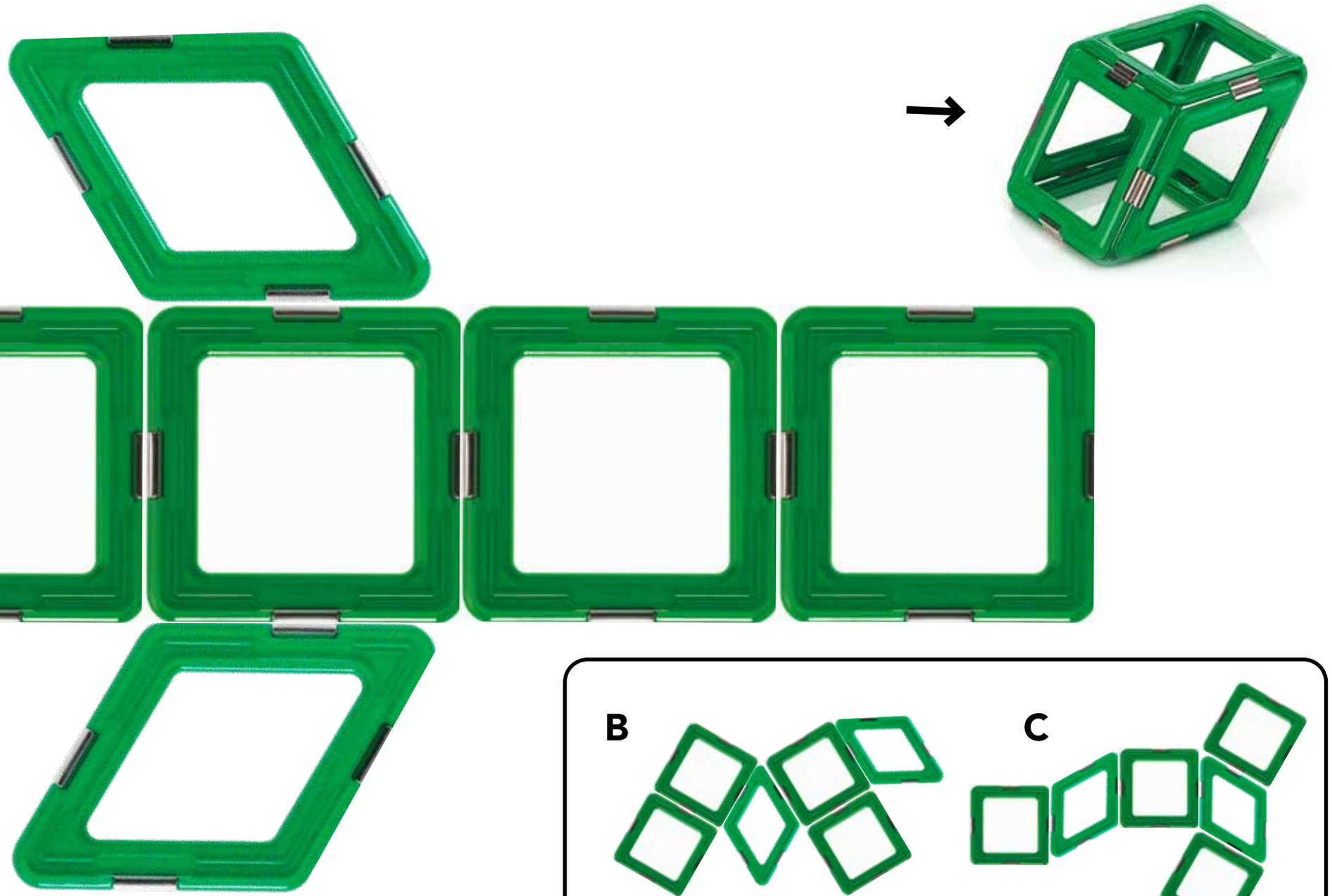
A





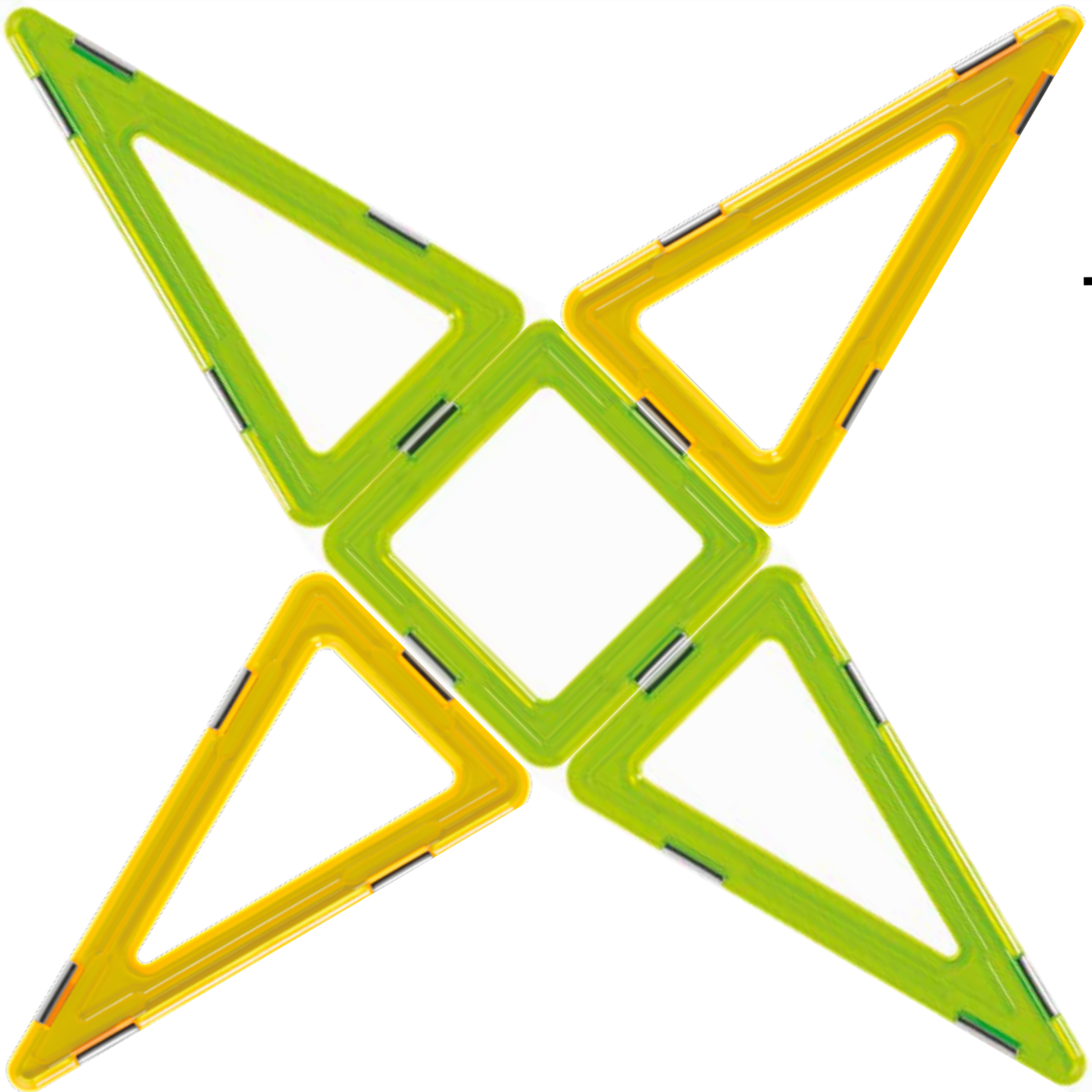


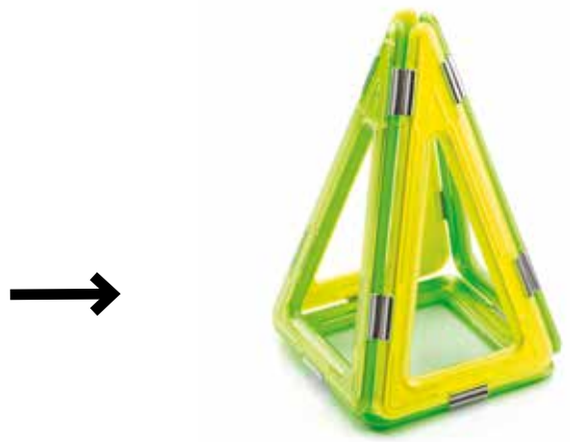
©2023 SMART - Belgium. All rights reserved



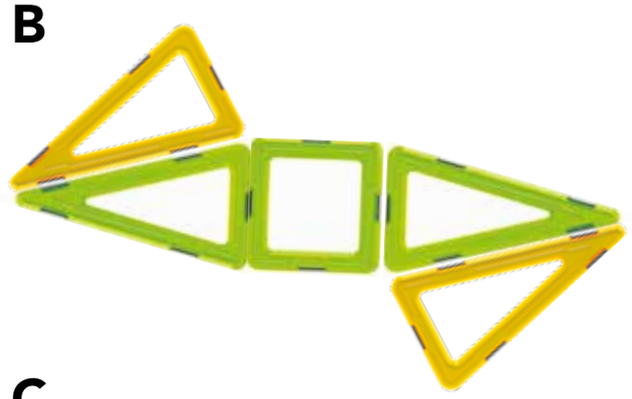
©2023 SMART - Belgium. All rights reserved

4. 3D BASIC FIGURES

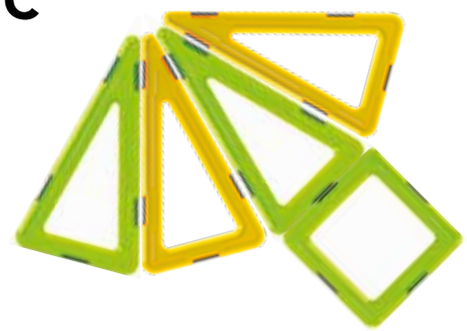




B

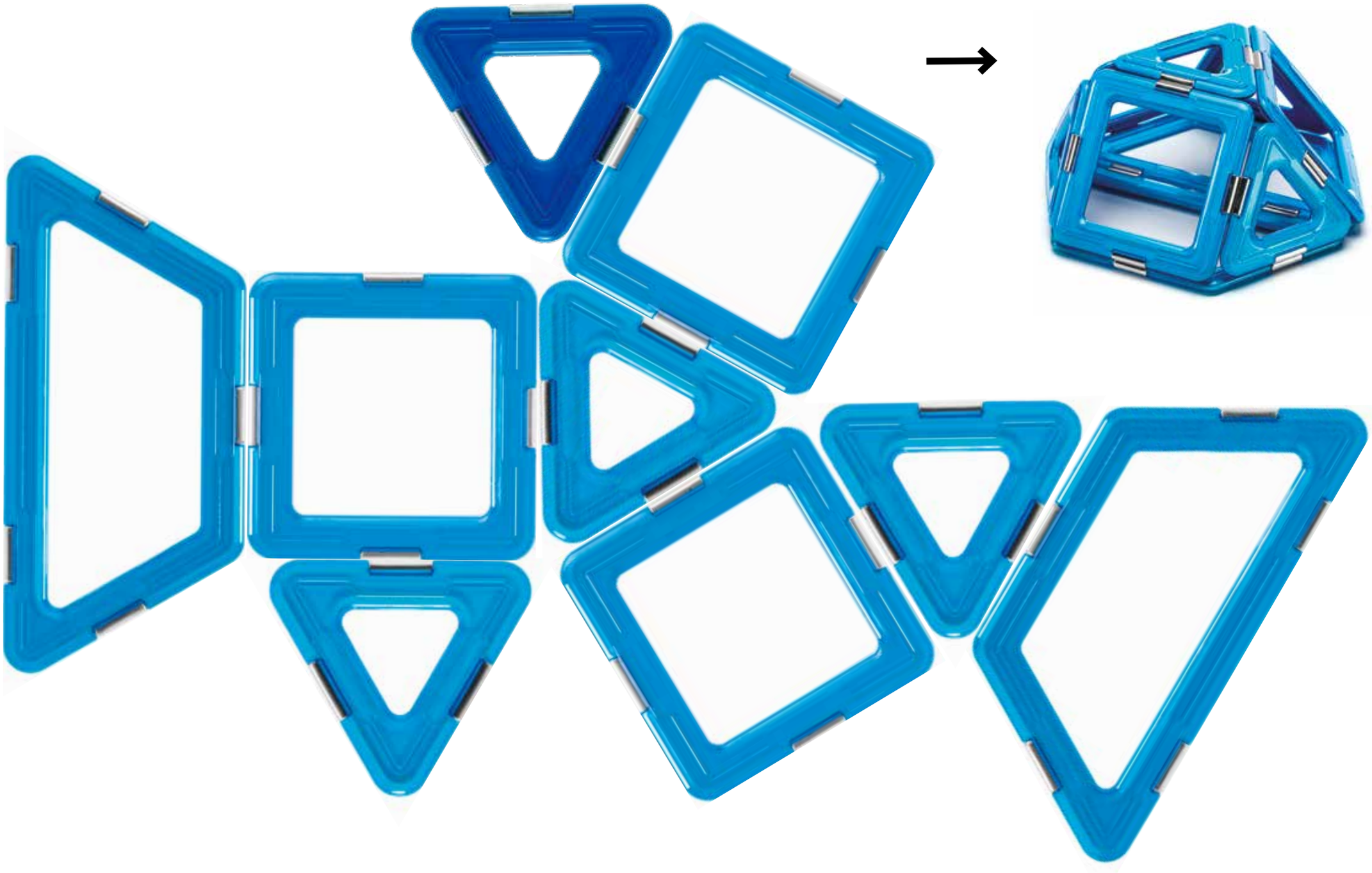


C



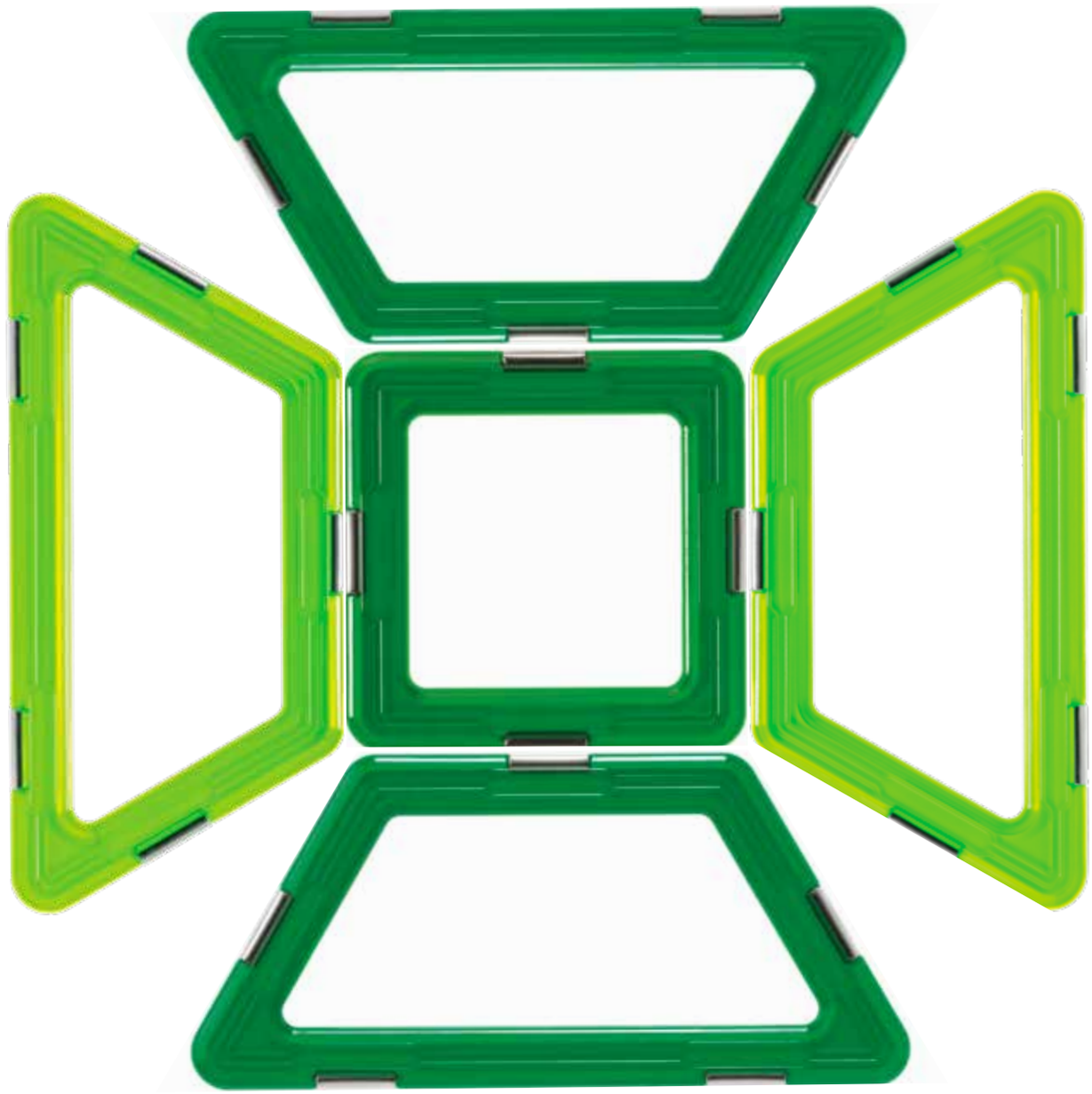
©2023 SMART - Belgium. All rights reserved

4. 3D BASIC FIGURES



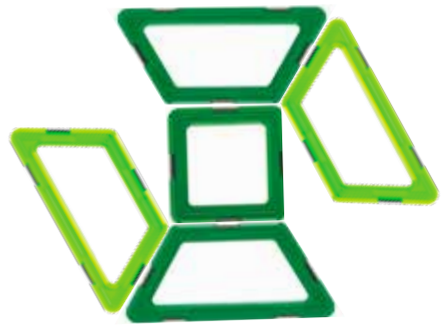
©2023 SMART - Belgium. All rights reserved

4. 3D BASIC FIGURES

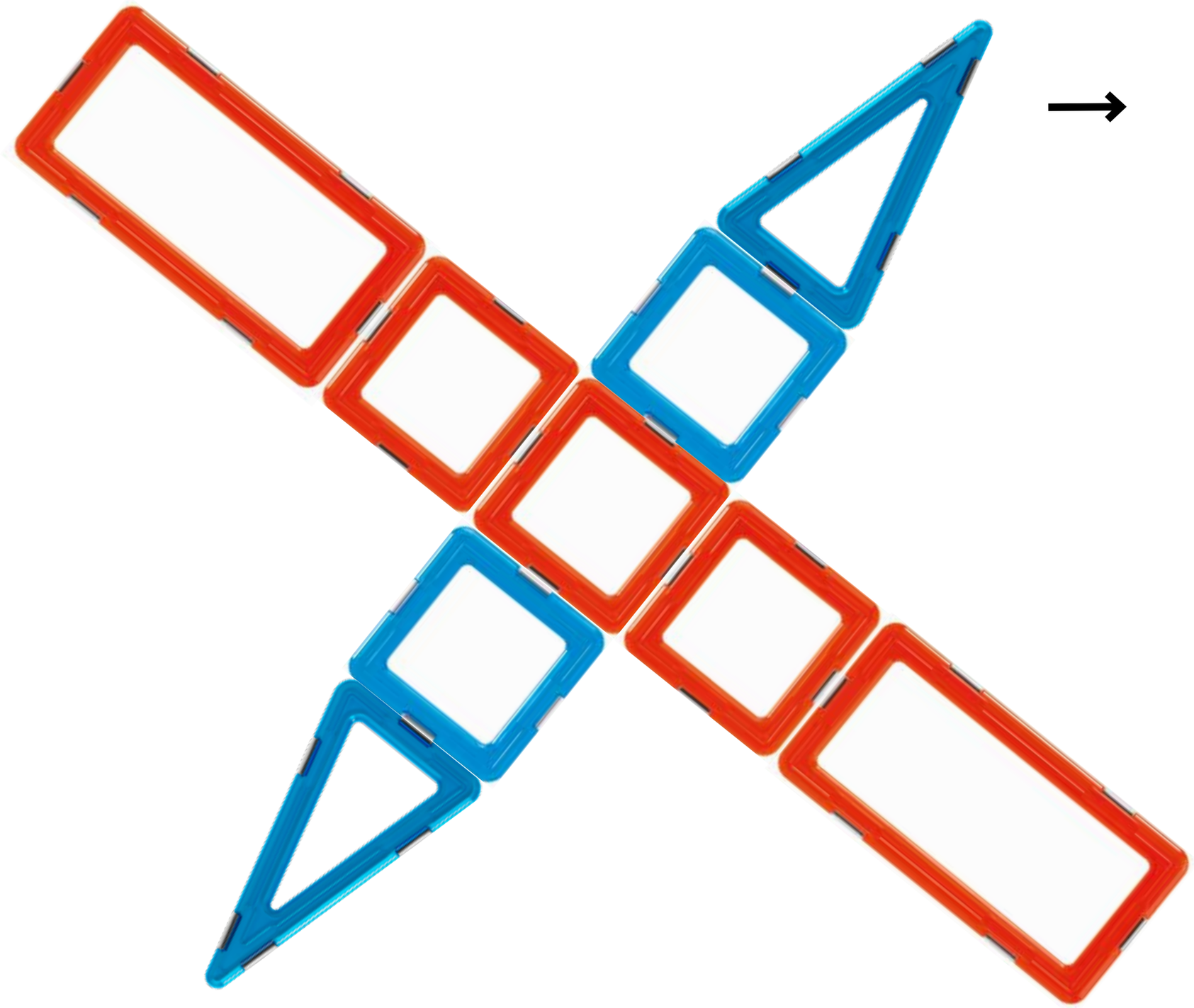


B

C

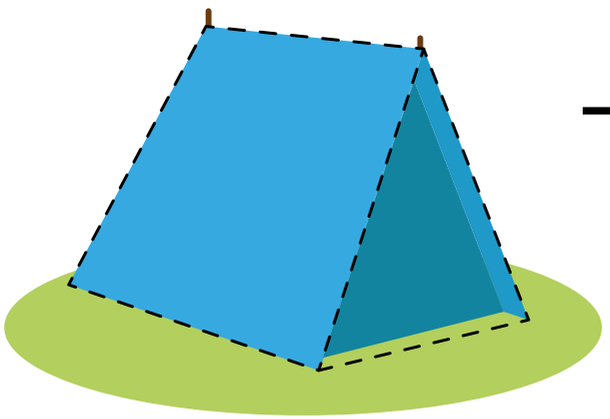


©2023 SMART - Belgium. All rights reserved

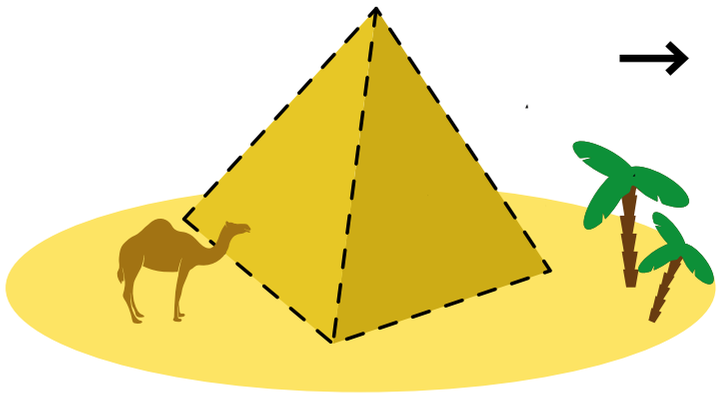


©2023 SMART - Belgium. All rights reserved

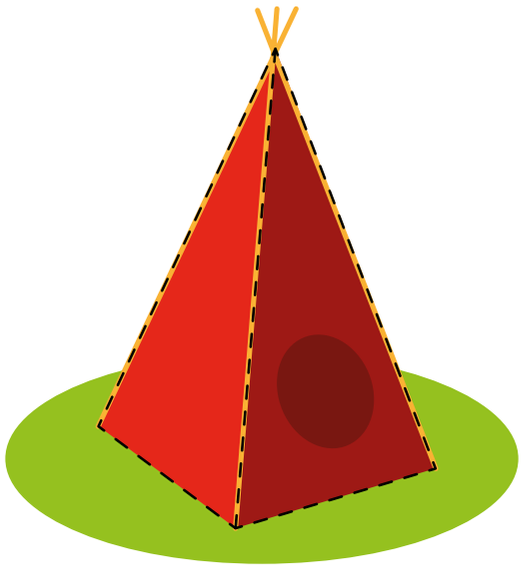
5. SHAPE RECOGNITION



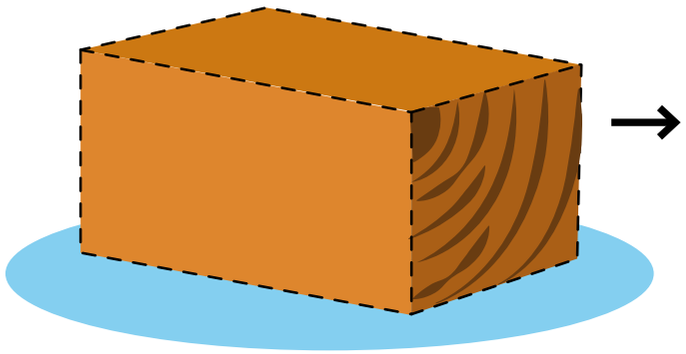
→



→ ?

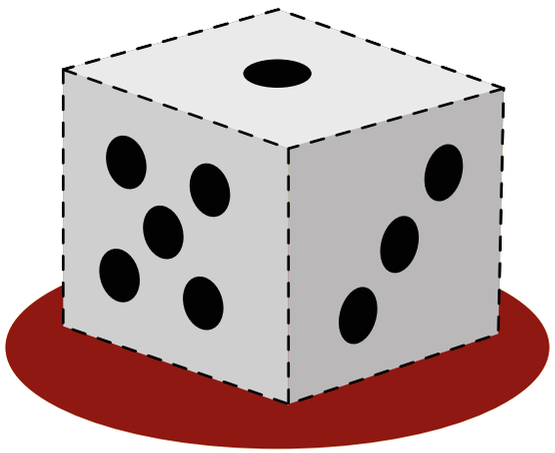


→ ?

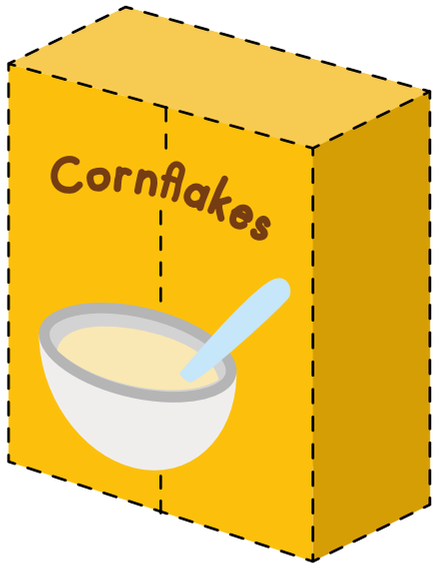


→ ?

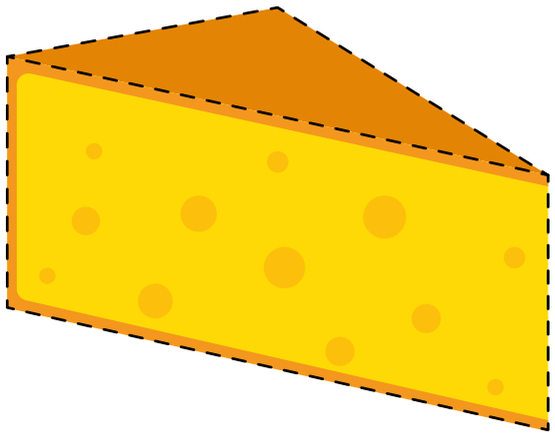
©2023 SMART - Belgium. All rights reserved



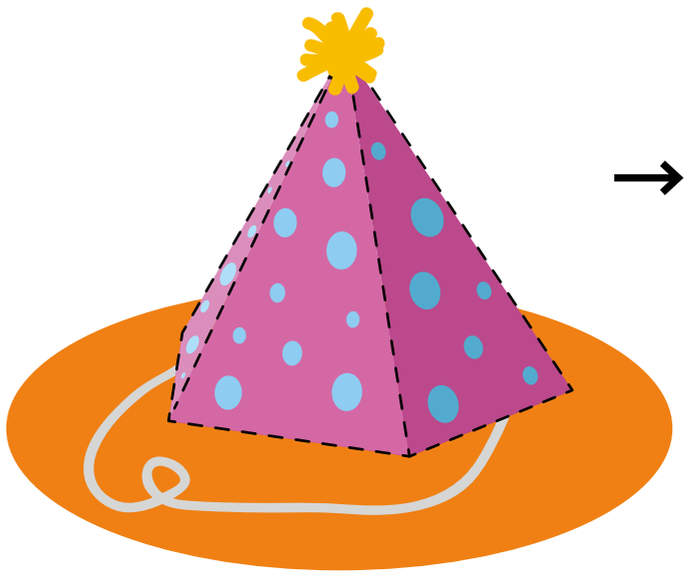
→ ?



→ ?



→ ?

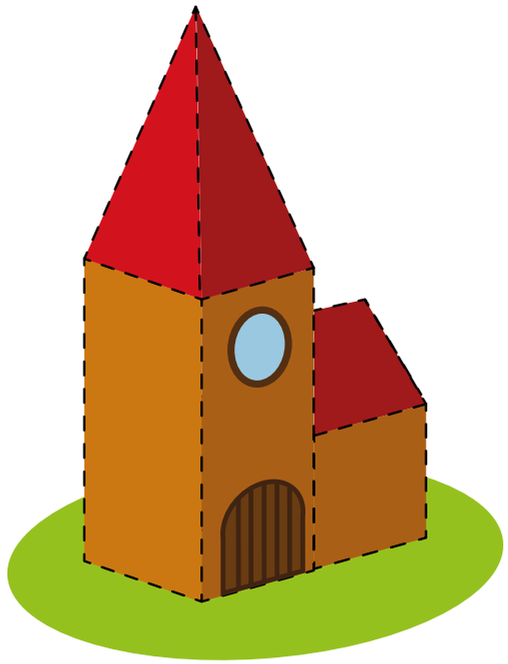


→ ?

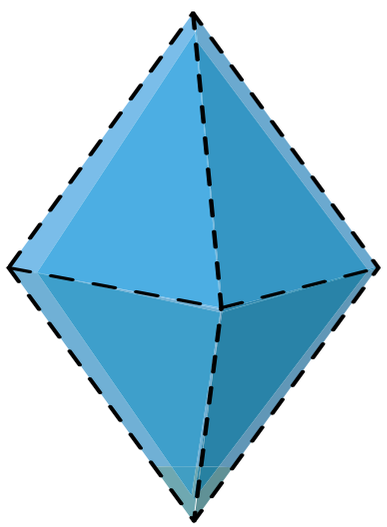
©2023 SMART - Belgium. All rights reserved

5. SHAPE RECOGNITION

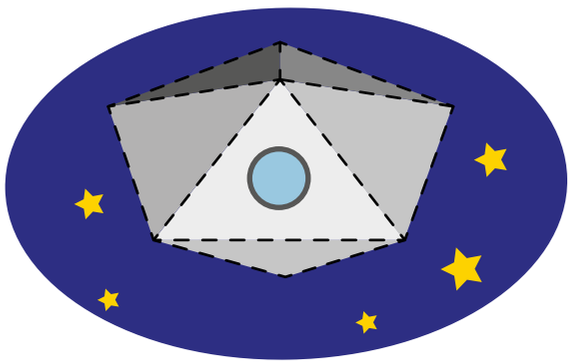
→ ?



→ ?

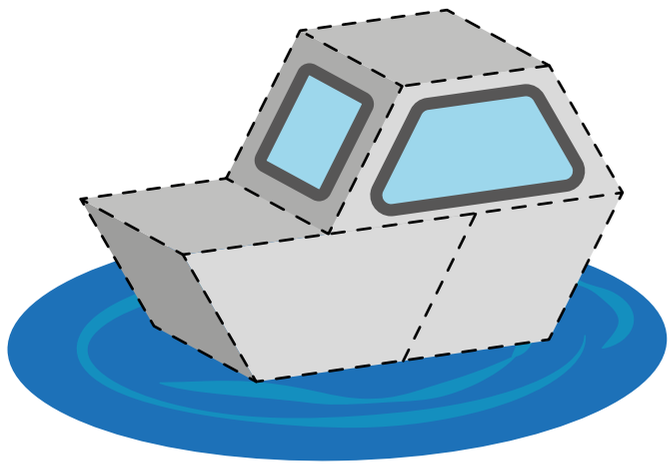


→ ?

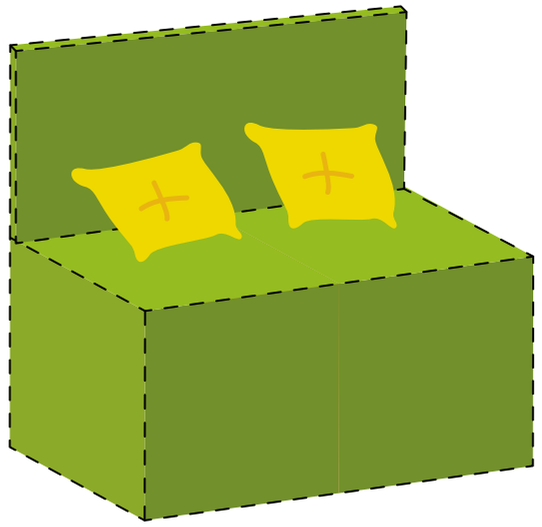


→ ?

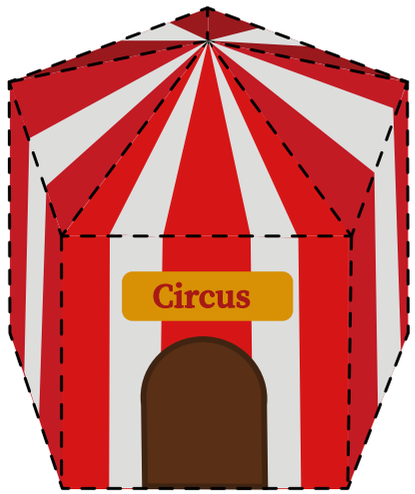
©2023 SMART - Belgium. All rights reserved



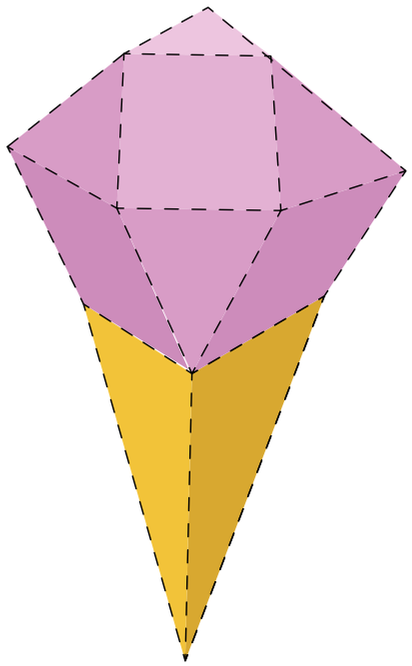
→ ?



→ ?



→ ?



→ ?

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

2.

3.

4.

5.

6.

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

A

2.

B

3.

C

4.

D

5.

A + C

D + B

6.

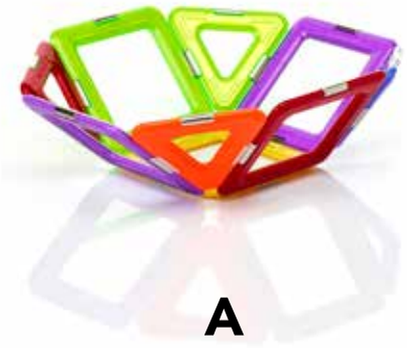
A + C + D + B

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

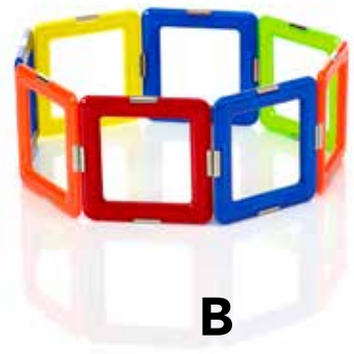
1.

2.



A

3.



B

4.

A + B

5.

6.

7.

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

2.

3.

4.

5.

6.

7.

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

2.

3.

4.

5.

6.

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

2.

A

3.

B

4.

C

5.

A + B + C

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

2.

3.

4.

A

5.

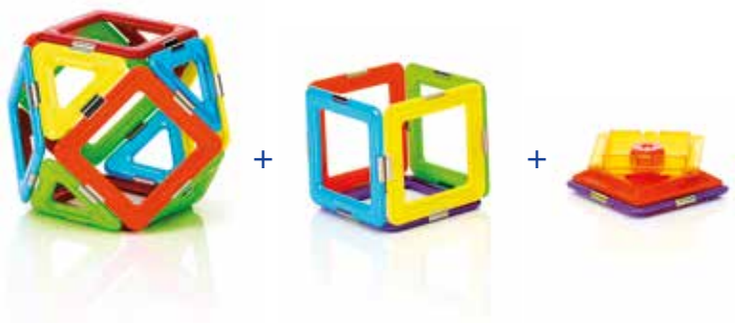
6.

B

7.

C

8.



A + B + C

9.

©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

1.

X 2

2.

A

3.

X 3

4.

B

5.

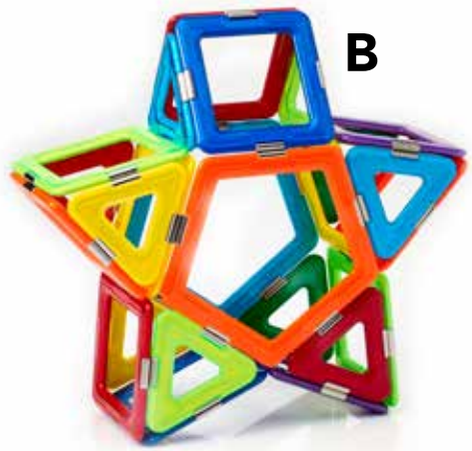
A **A**

6.

B **B**

7.

8.

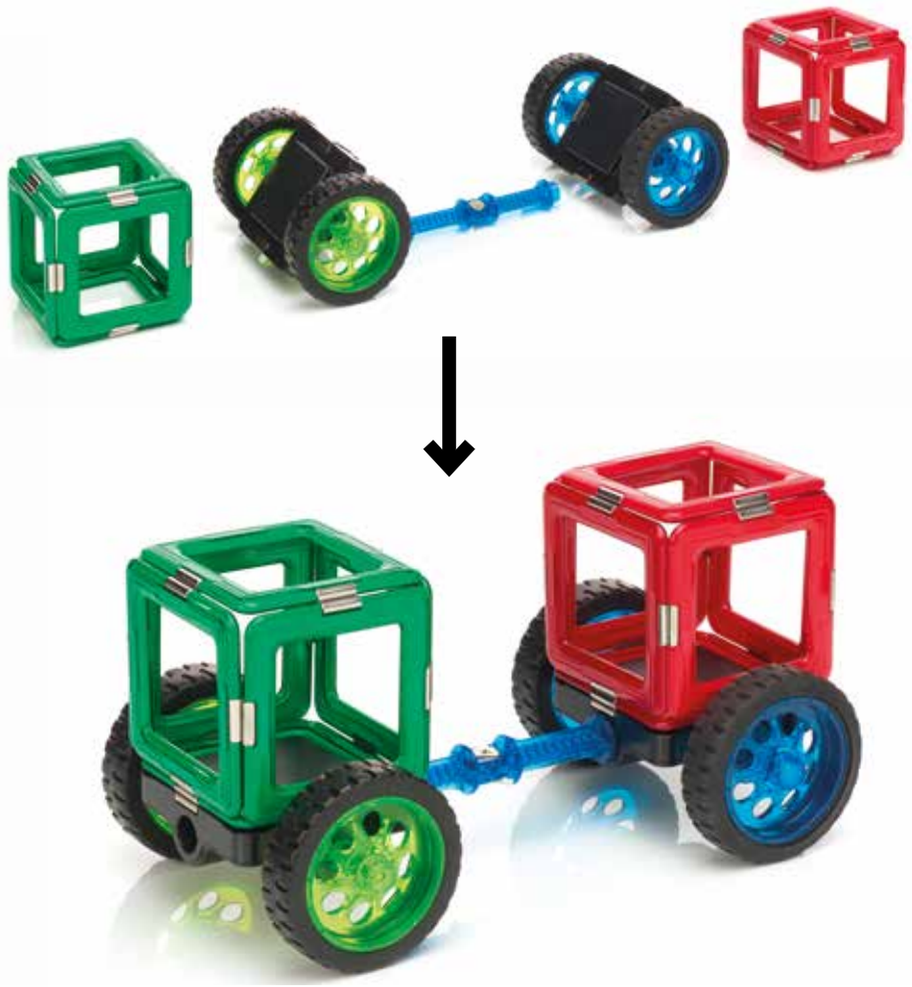


©2023 SMART - Belgium. All rights reserved

6. BUILDING PLAN

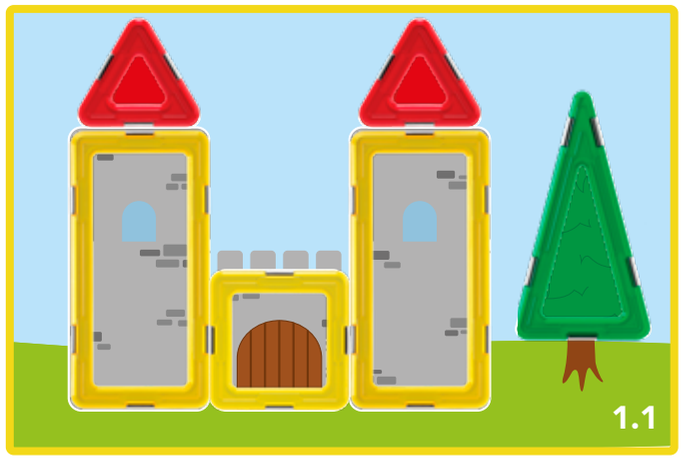
©2023 SMART - Belgium. All rights reserved

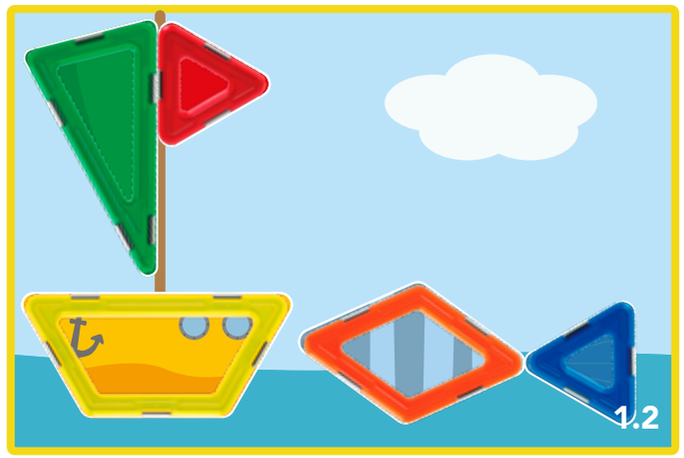
6. BUILDING PLAN

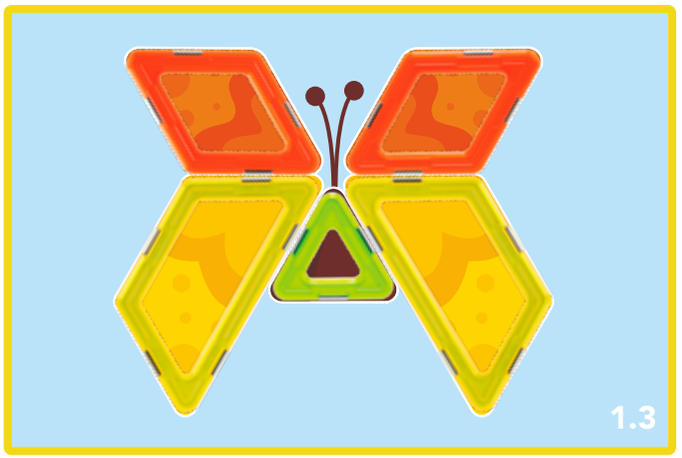


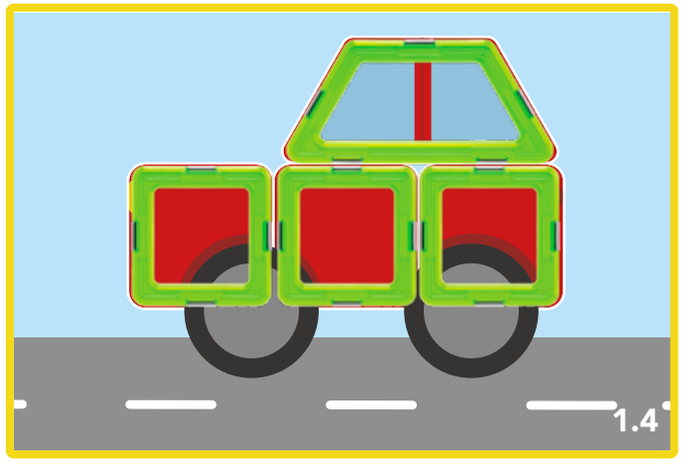
©2023 SMART - Belgium. All rights reserved

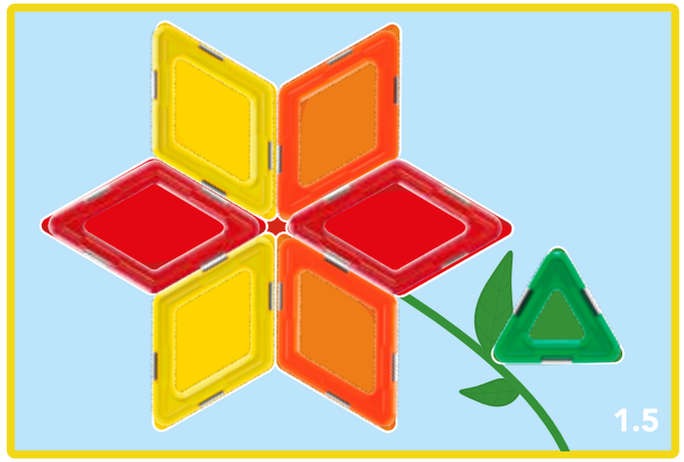
7. SOLUTIONS

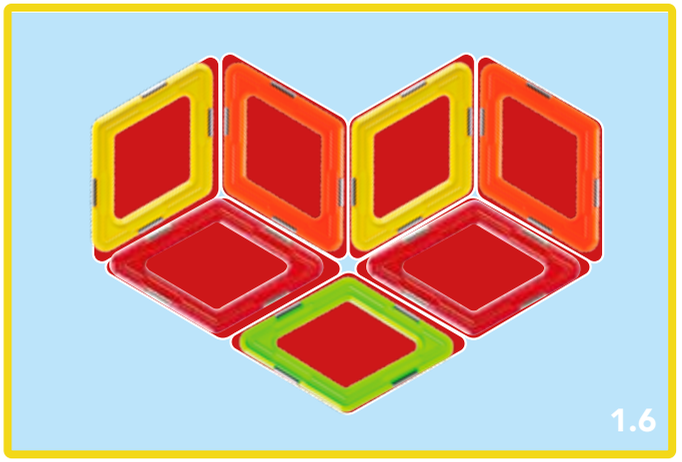


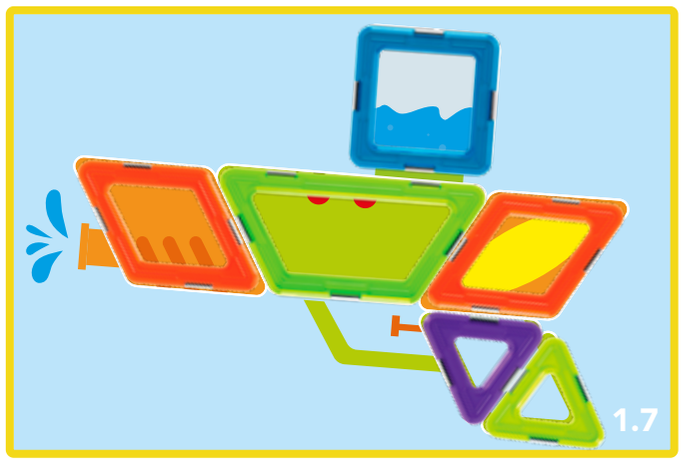


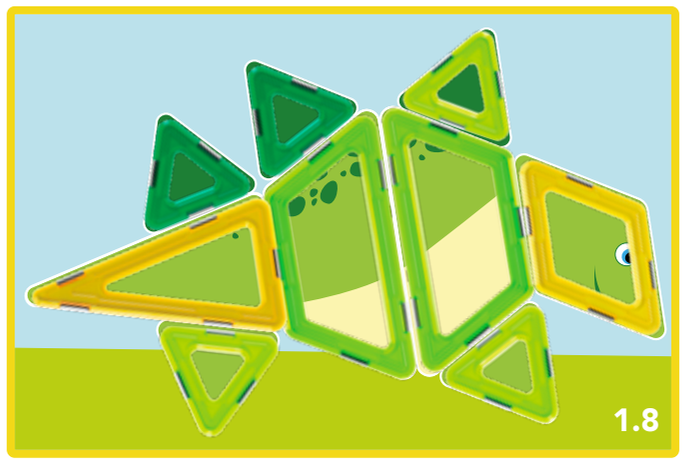










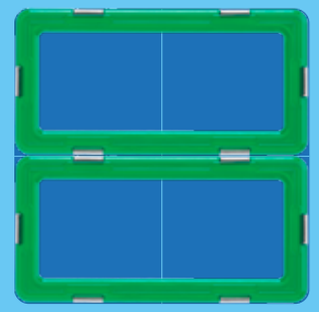


©2023 SMART - Belgium. All rights reserved

7. SOLUTIONS

2.1. B

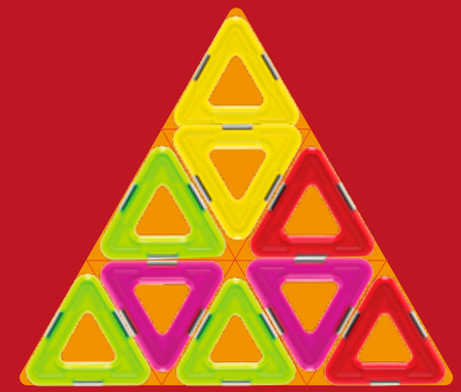
2.1. C



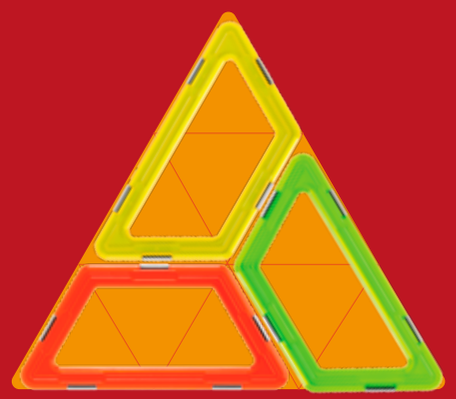
2.2. A

2.2. B

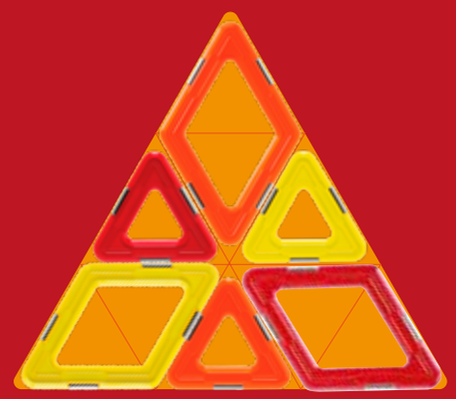
2.2. C



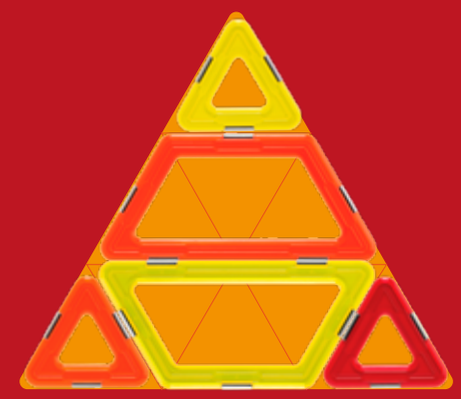
2.3. A



2.3. B



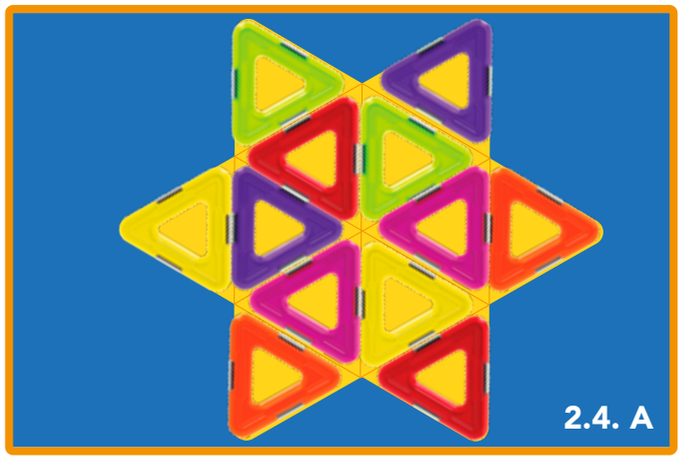
2.3. C

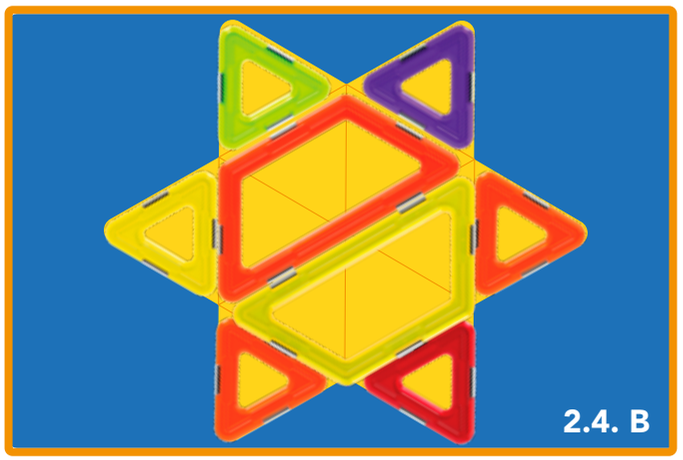


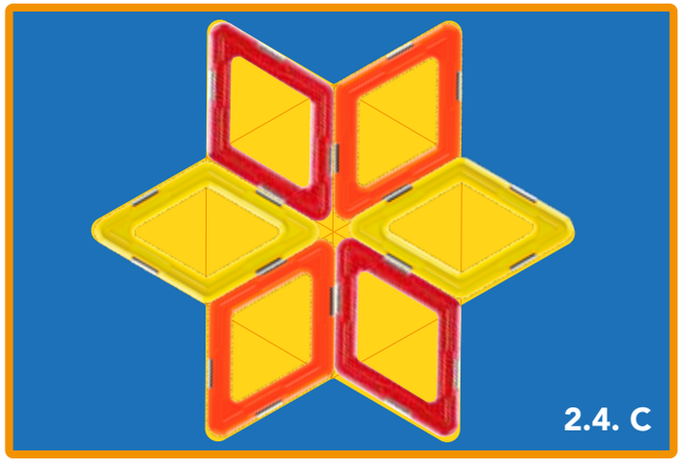
2.3. D

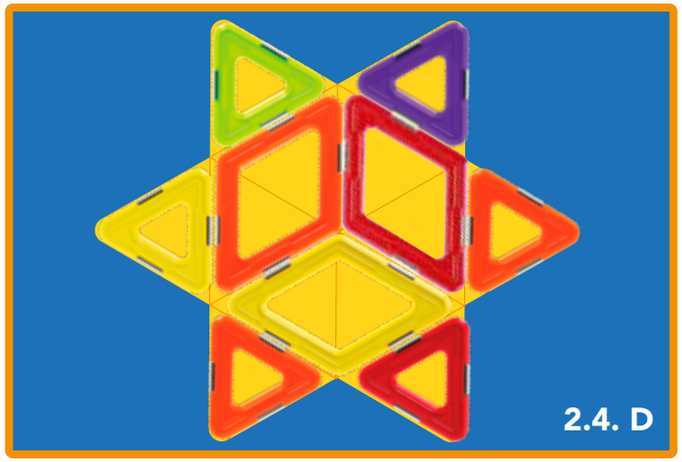
©2023 SMART - Belgium. All rights reserved

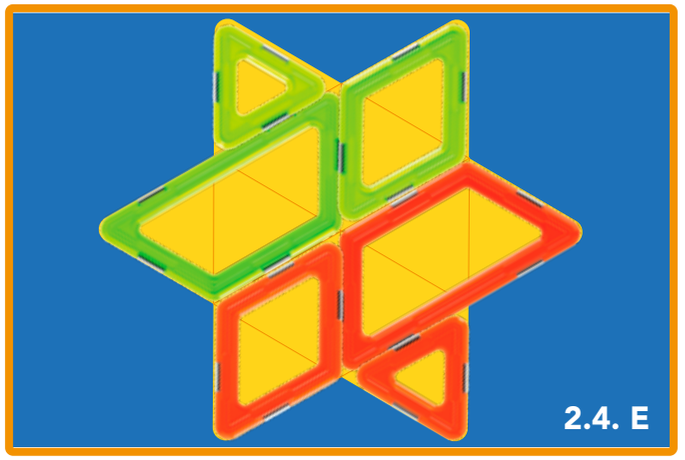
7. SOLUTIONS

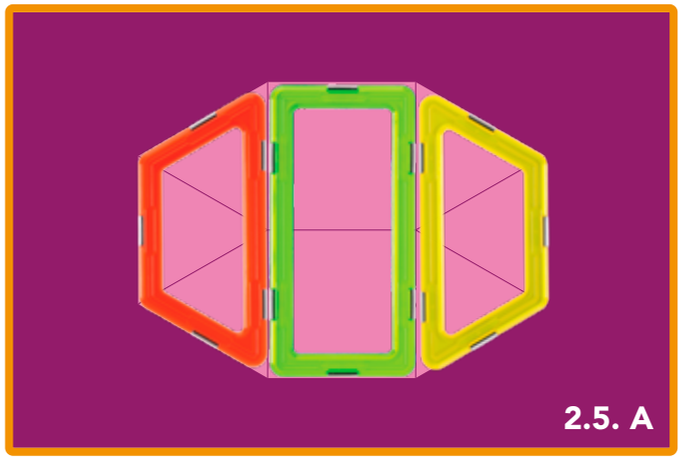


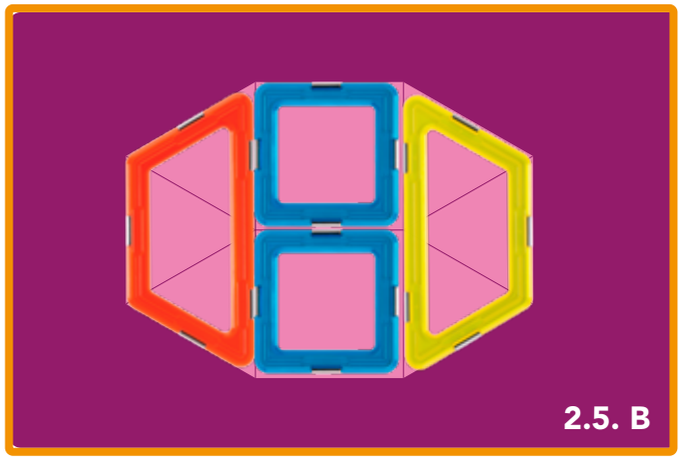






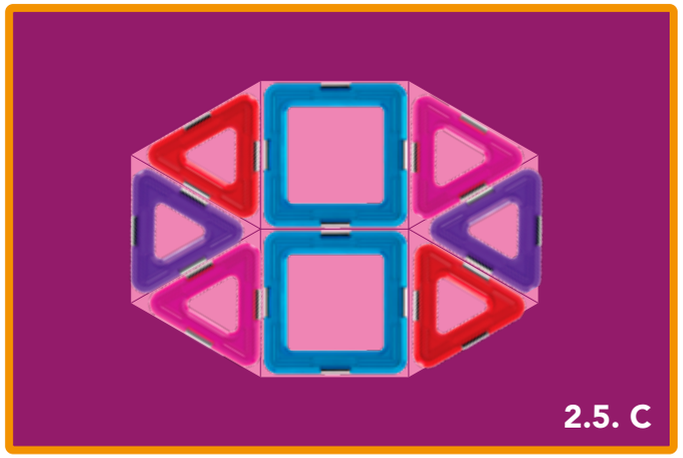


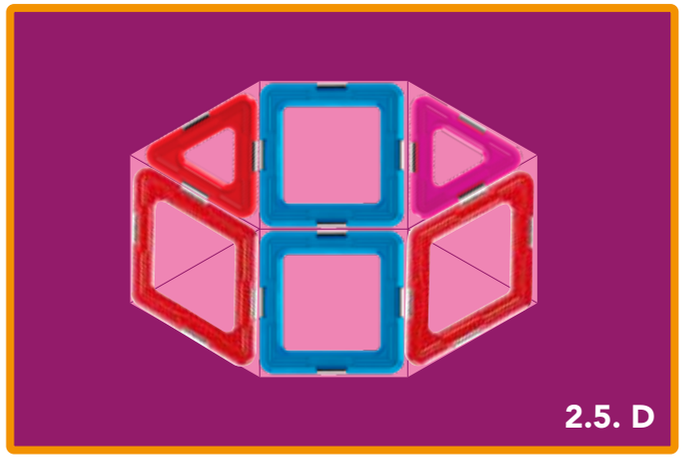


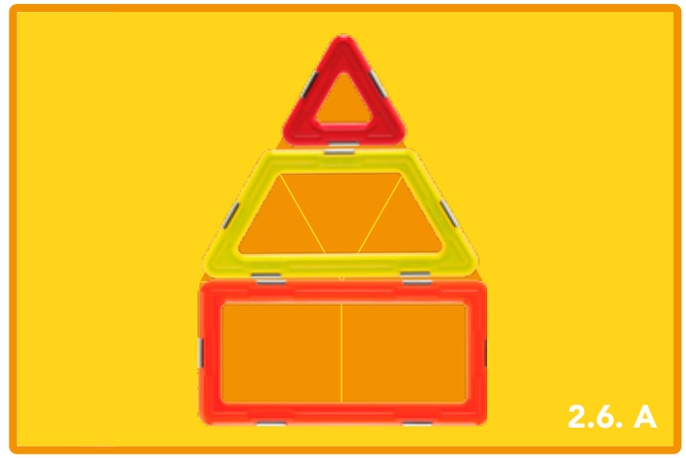


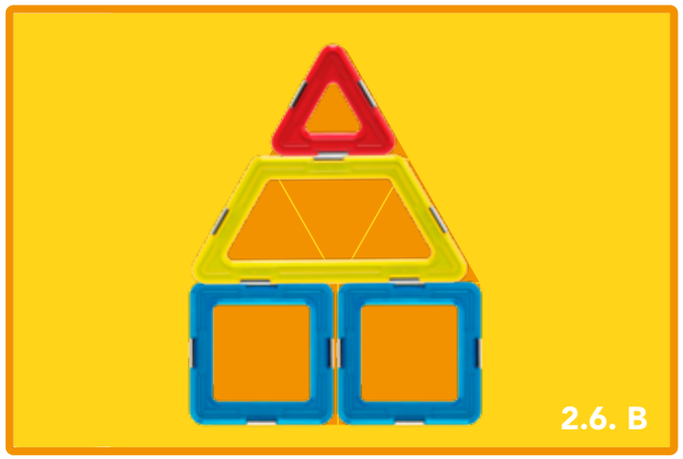
©2023 SMART - Belgium. All rights reserved

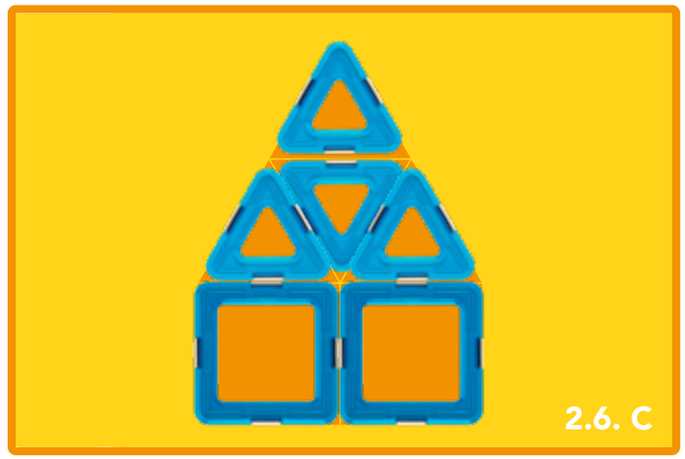
7. SOLUTIONS


2.5. C

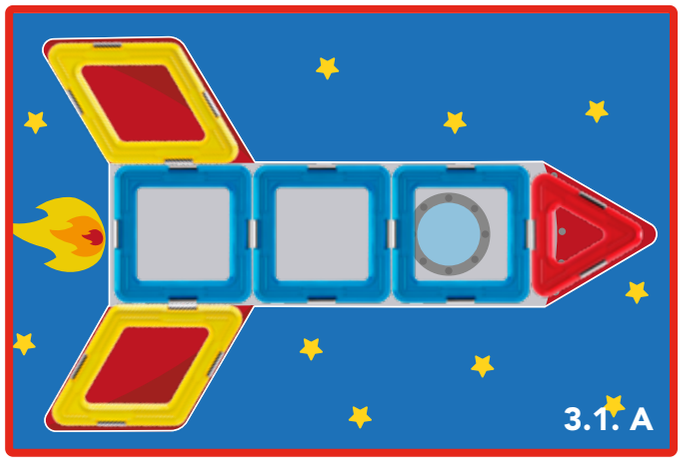

2.5. D

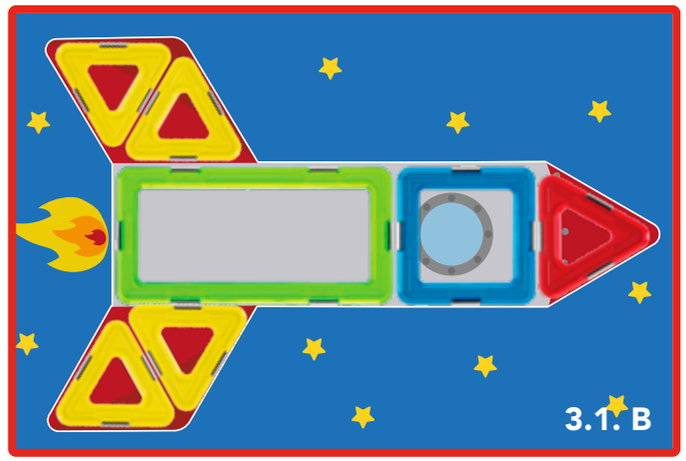

2.6. A

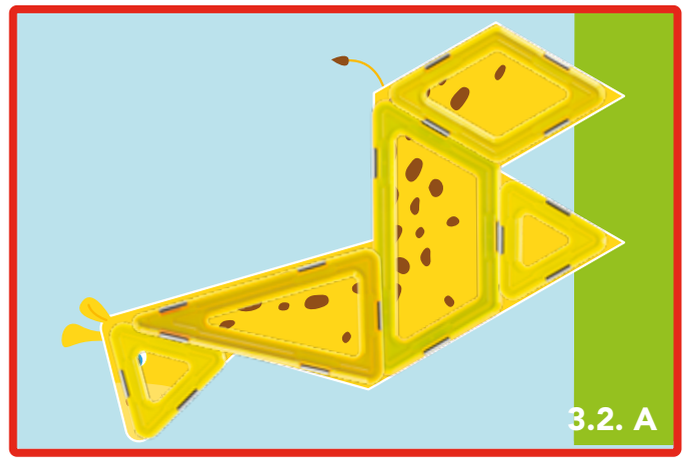

2.6. B


2.6. C

2.6. D

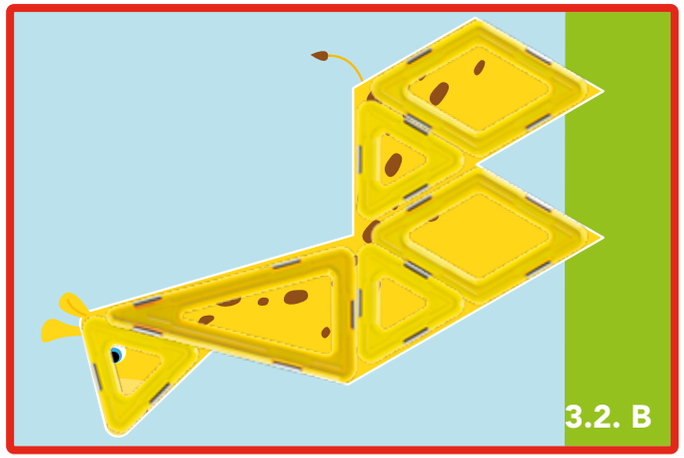

3.1. A

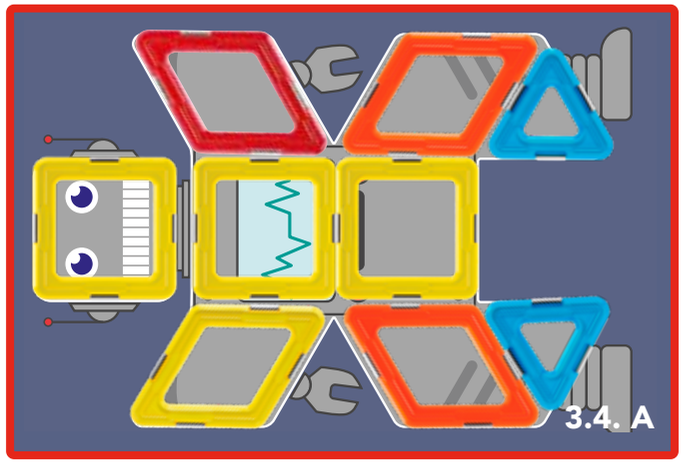

3.1. B

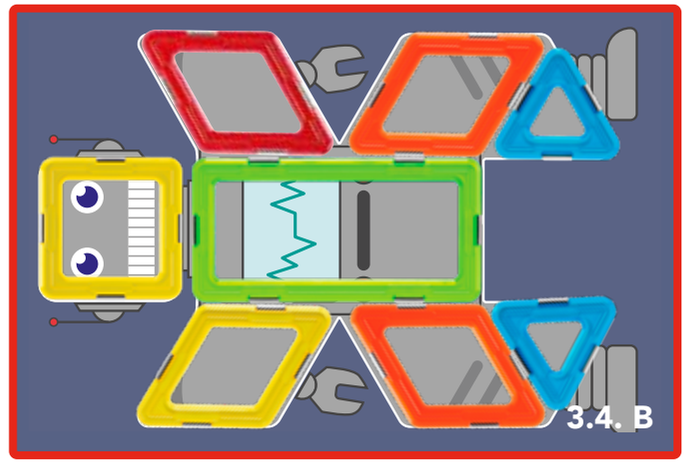

3.2. A

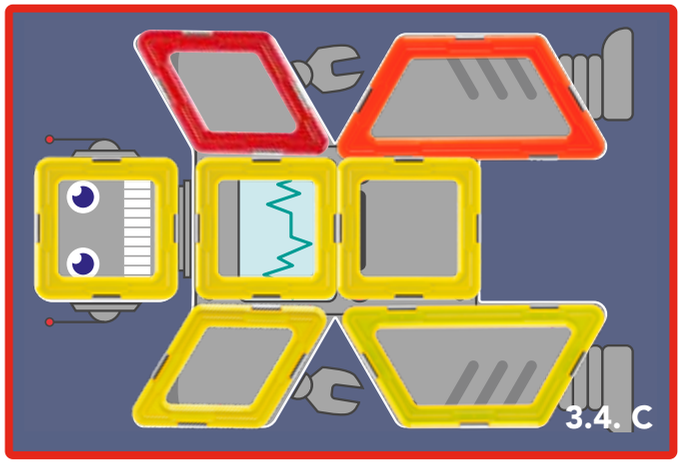
©2023 SMART - Belgium. All rights reserved

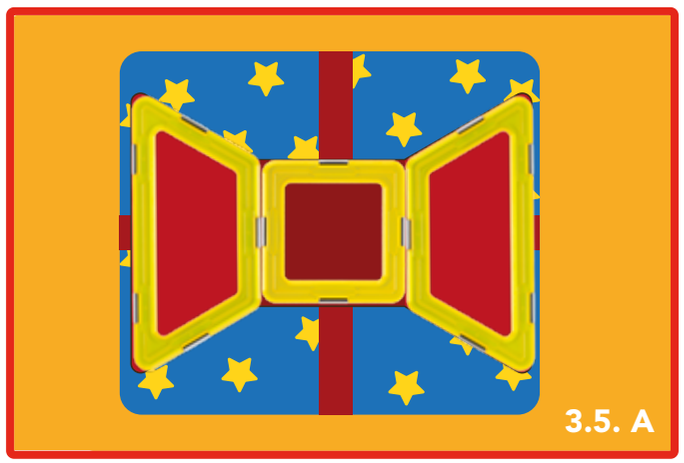
7. SOLUTIONS

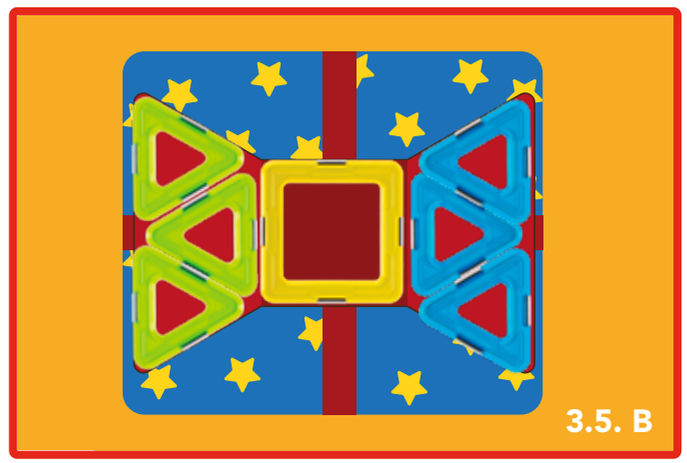


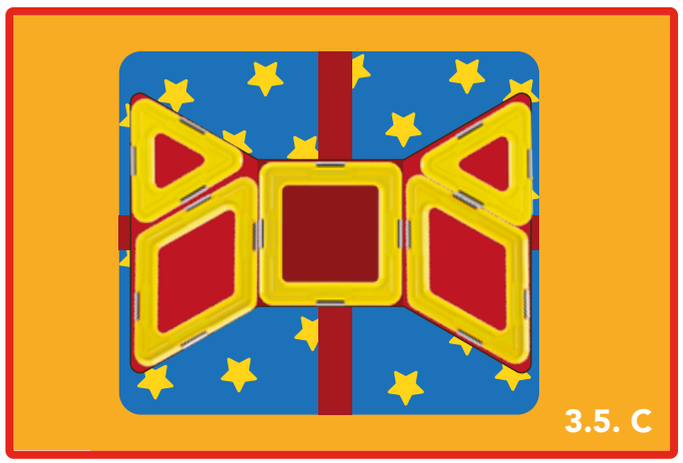






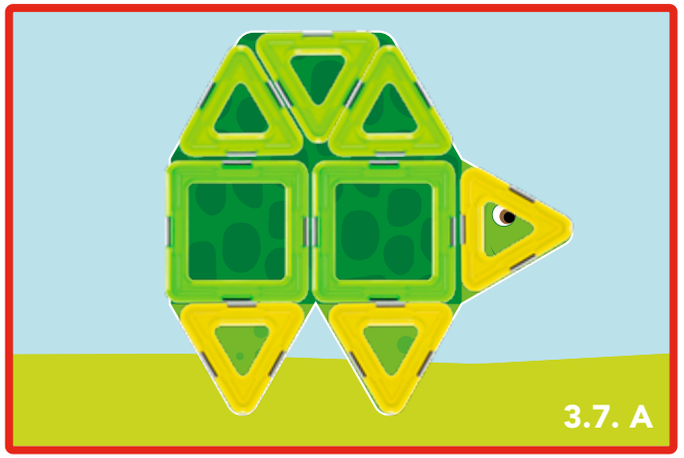


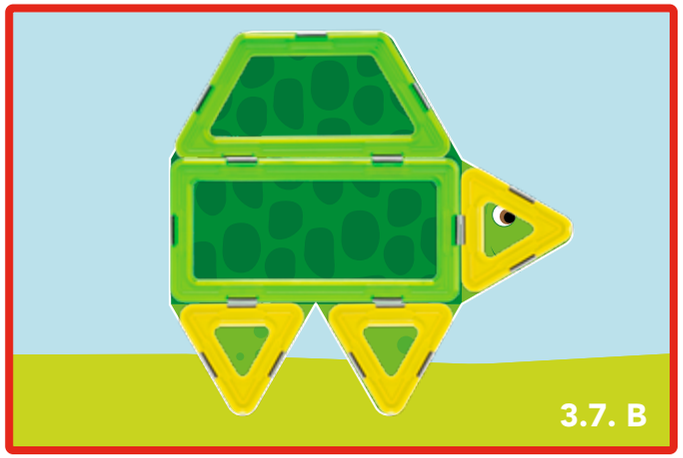


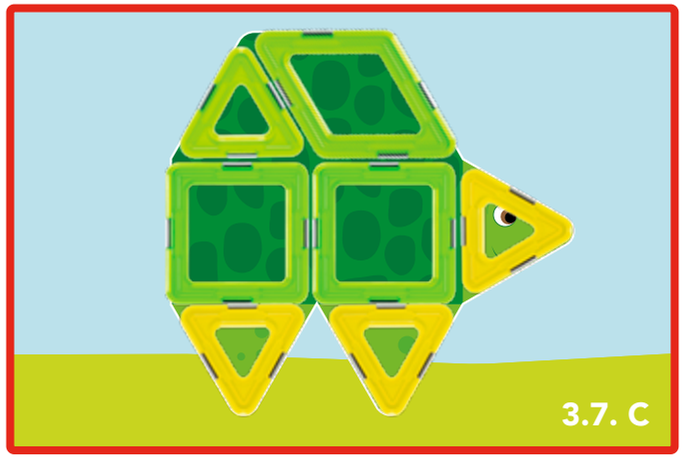


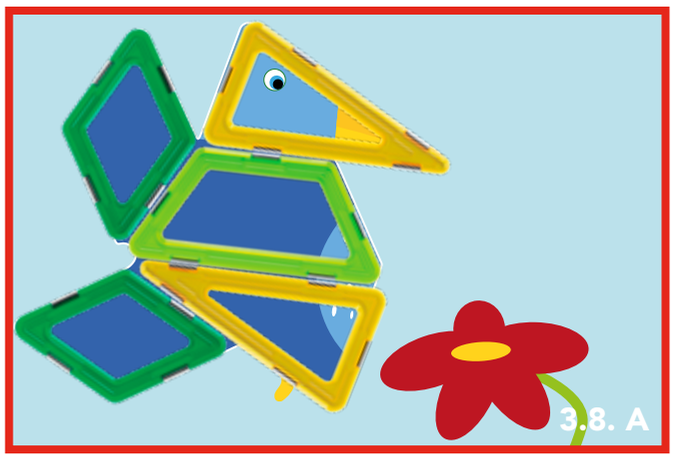
©2023 SMART - Belgium. All rights reserved

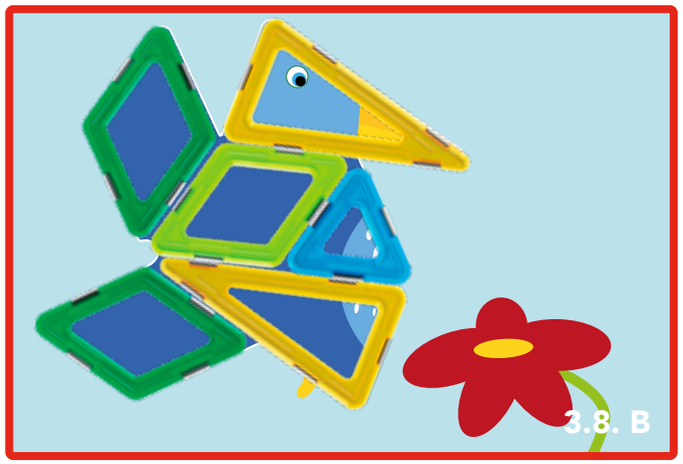
7. SOLUTIONS

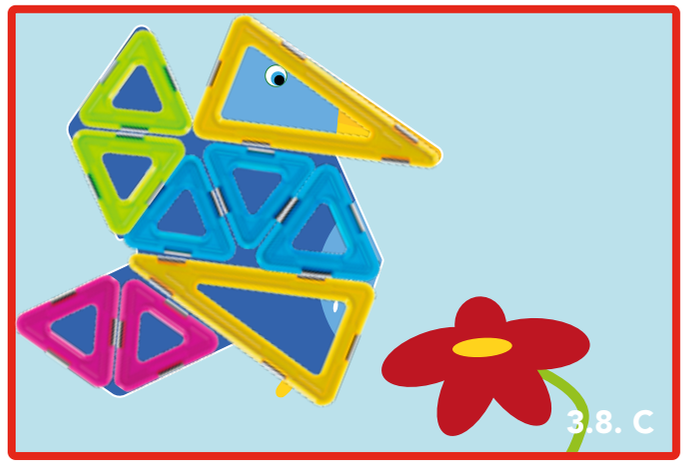


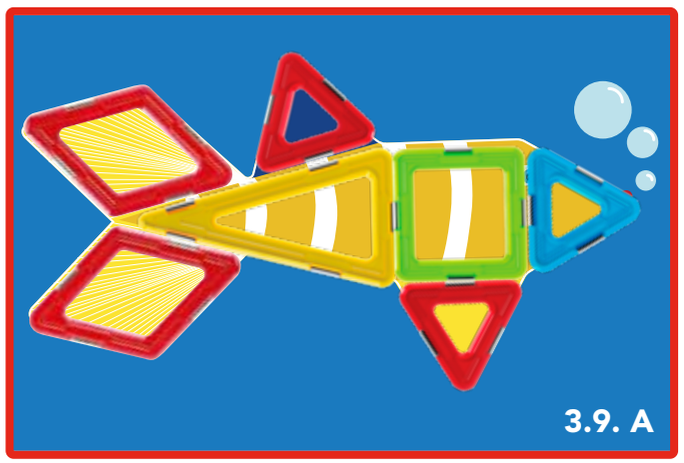






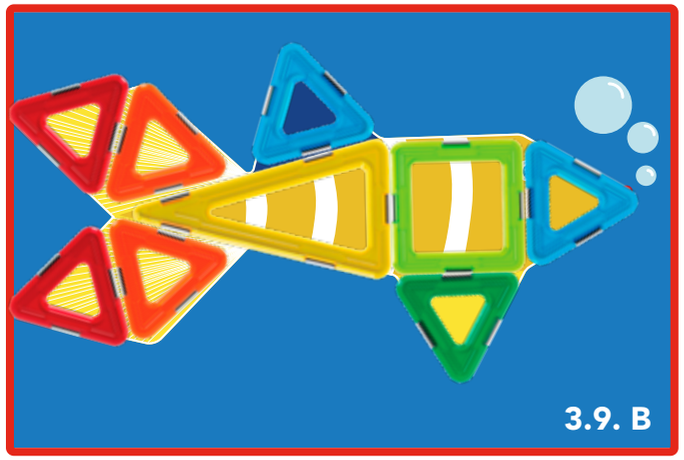


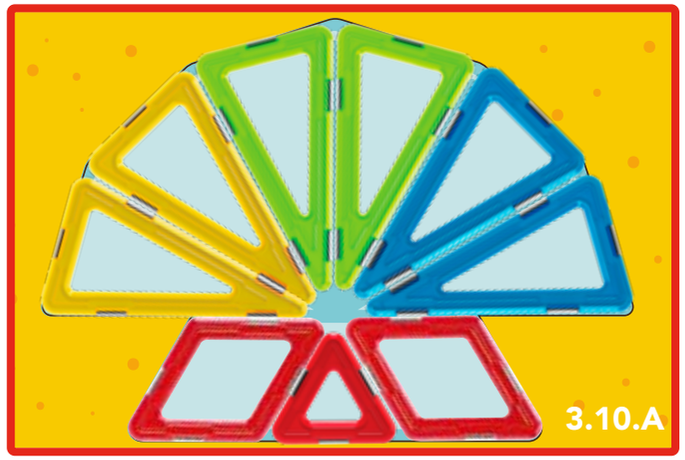


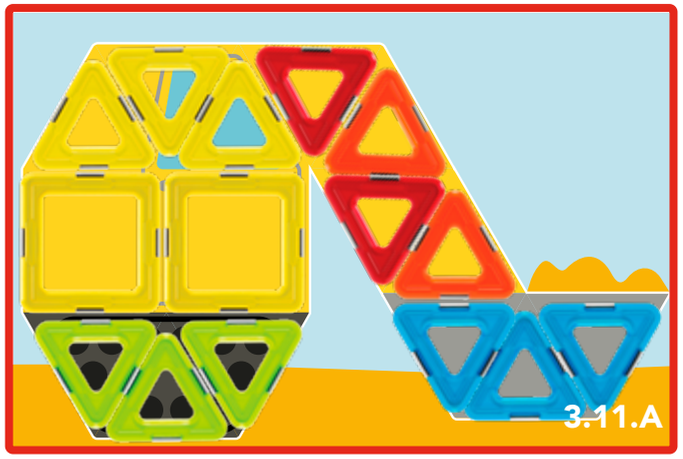


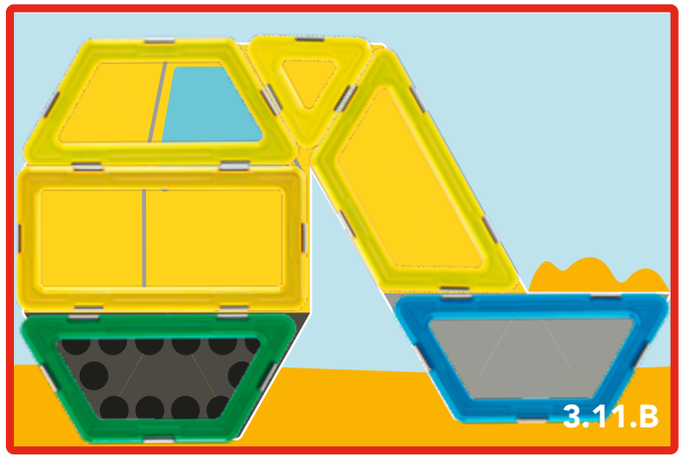
©2023 SMART - Belgium. All rights reserved

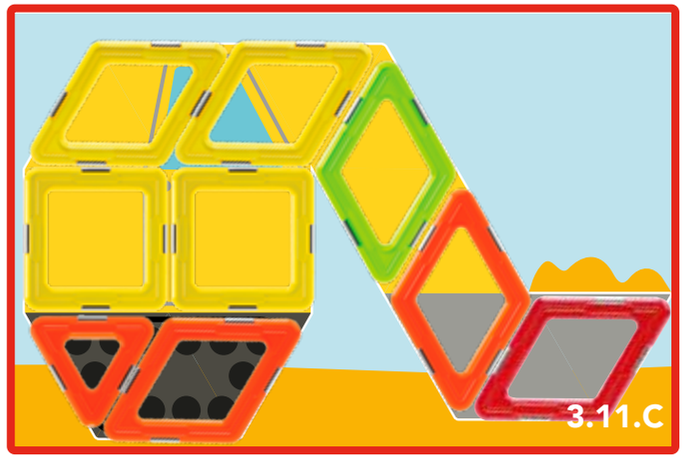
7. SOLUTIONS

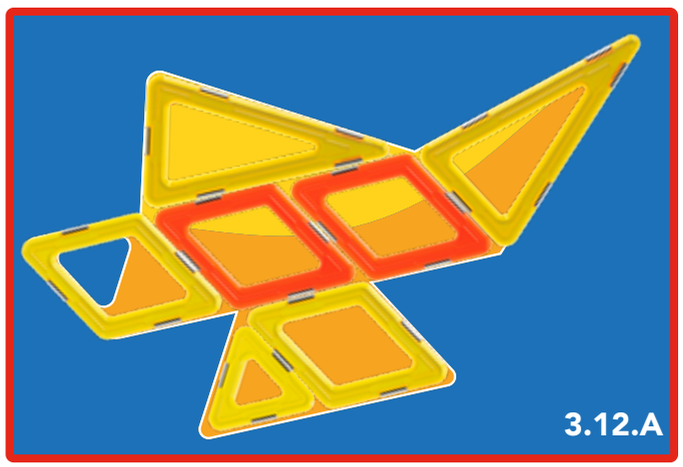


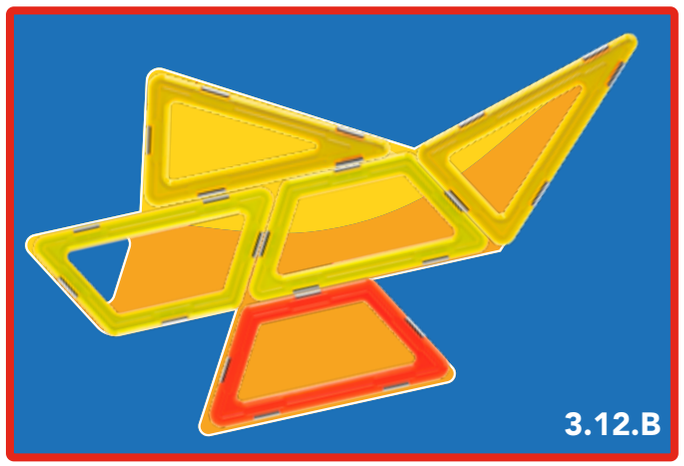


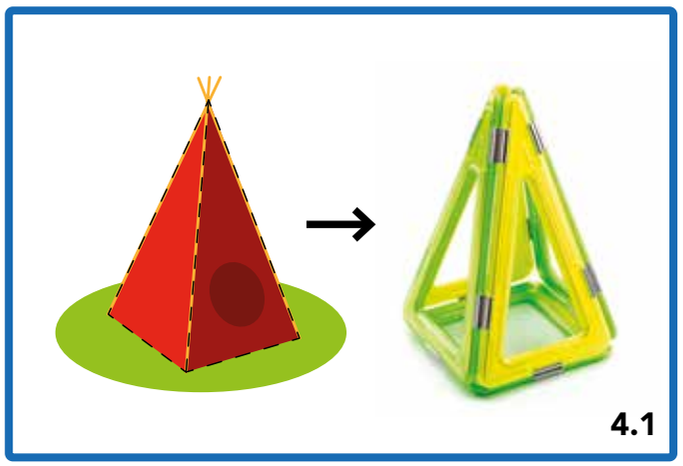


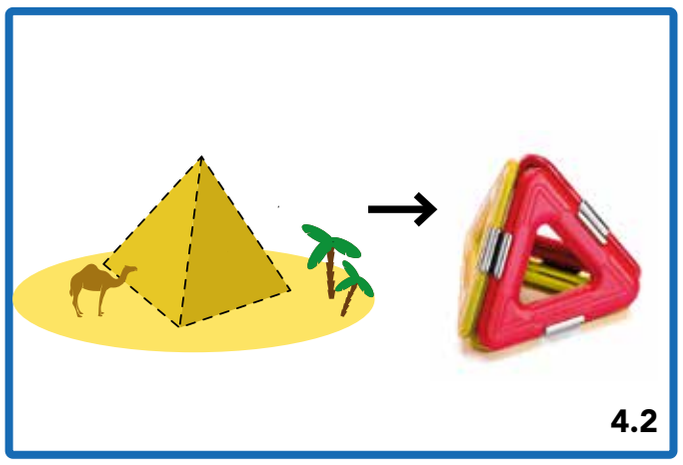




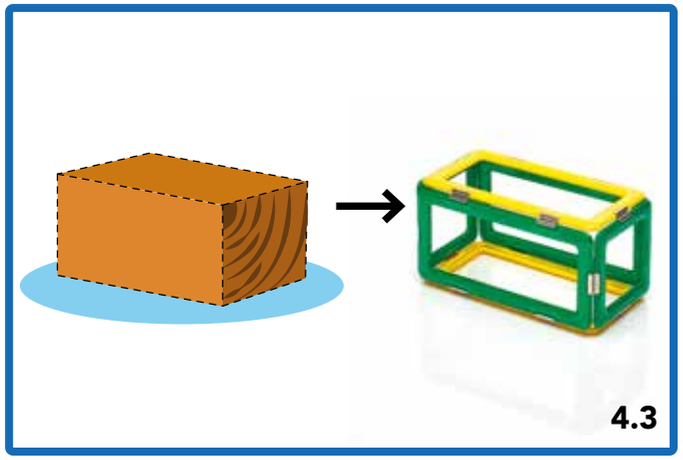




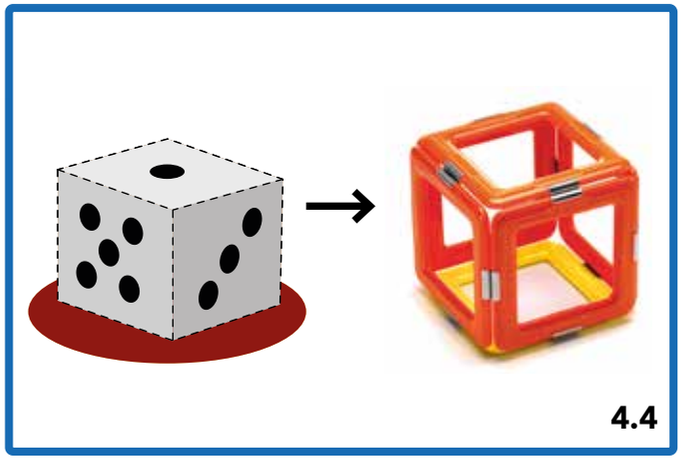




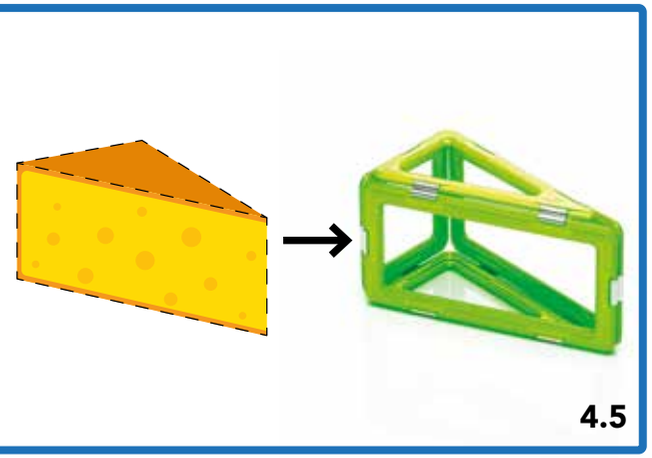
©2023 SMART - Belgium. All rights reserved



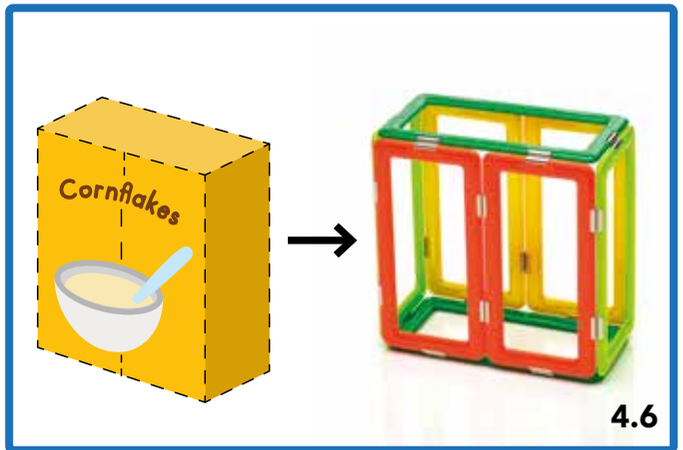
4.3



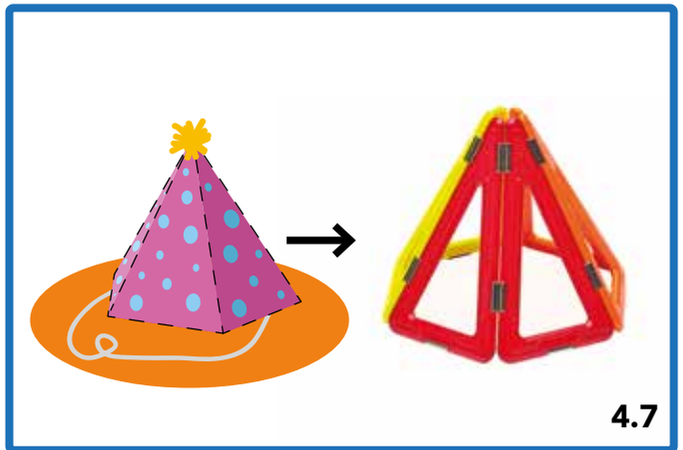
4.4



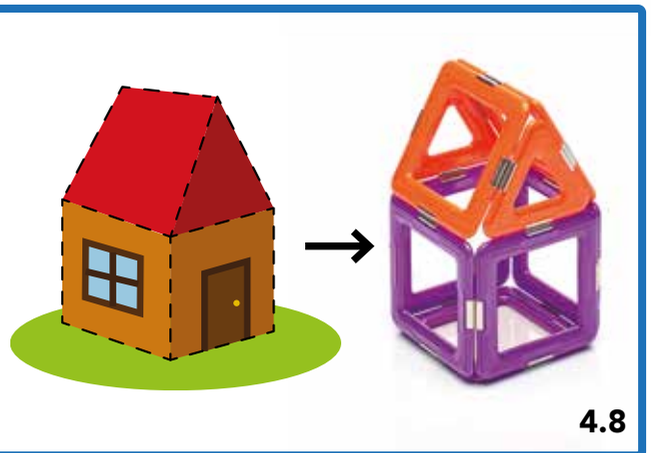
4.5



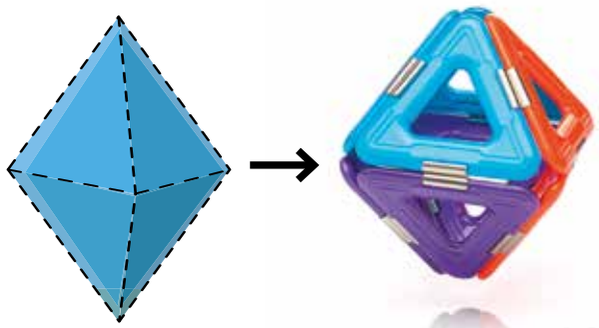
4.6



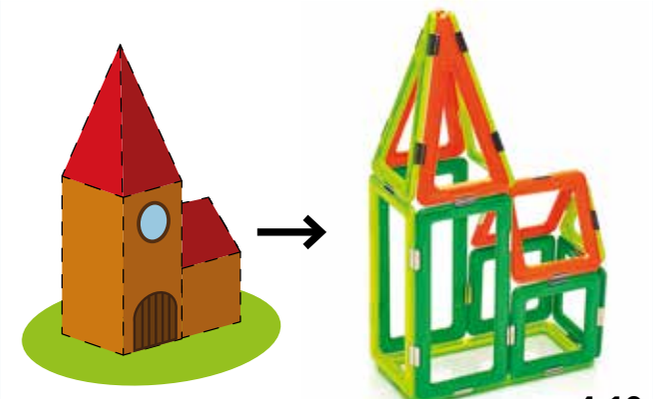
4.7



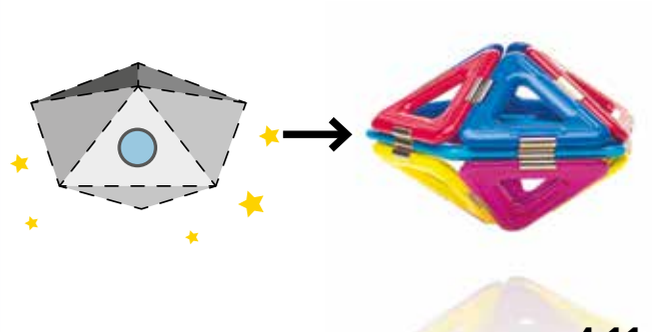
4.8



4.9



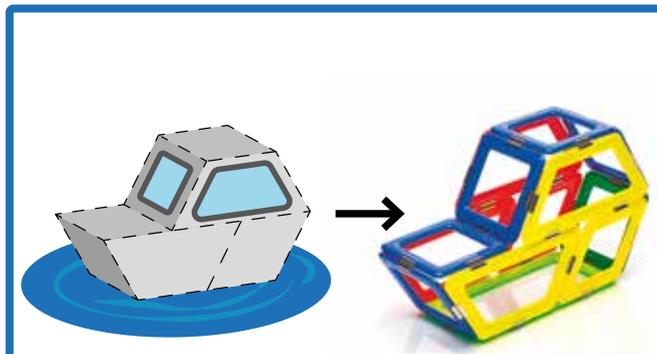
4.10



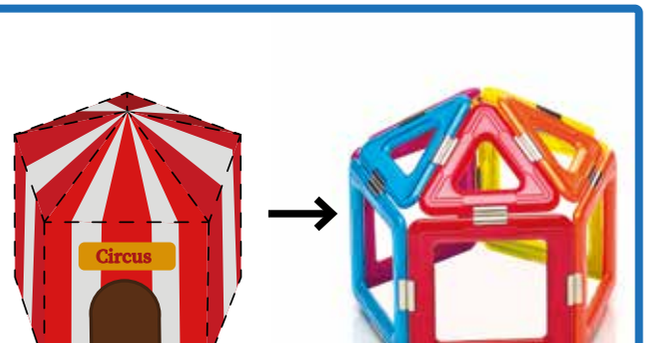
4.11

©2023 SMART - Belgium. All rights reserved

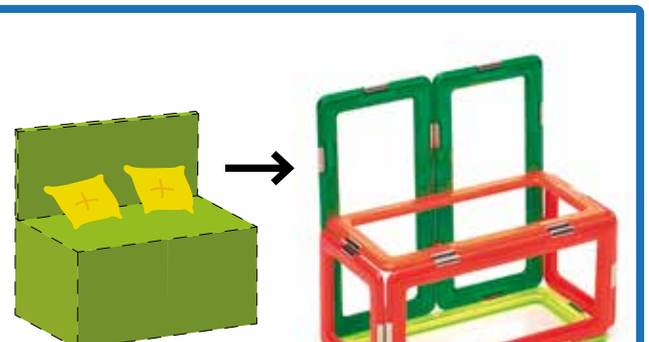
7. SOLUTIONS



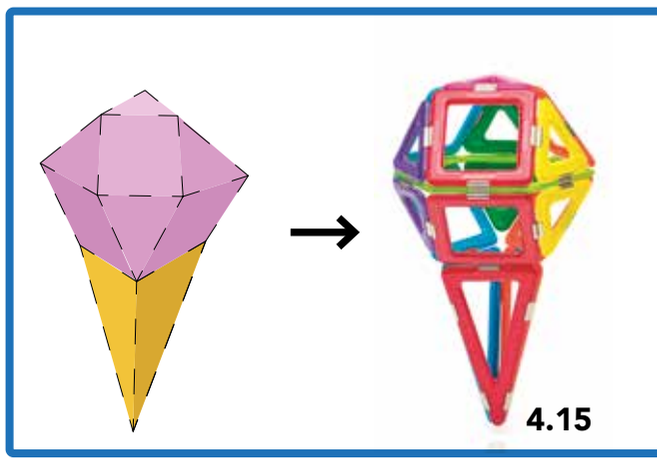
4.12



4.13



4.14



4.15

©2023 SMART - Belgium. All rights reserved

©2023 SMART - Belgium. All rights reserved

GEOSMART

© 2015-2023
Concept, pictures & artwork:
Smart - Belgium.
All rights reserved.
International patents
and patents pending
Neerveld 14,
B-2550 Kontich, Belgium
info@smart.be
WWW.GEOSMART.EU

dd: 20230504 Made in China
5 414301 250654