

Transformations

Fill in the Gaps



This activity gives students an opportunity to practise their mathematical vocabulary. In an enjoyable context, students are asked to draw and describe a series of geometric shapes to their partners, who then have to transform the descriptions into visual representations.

Suitable for students aged 5+

Learning Outcome: Students will be able to describe various geometric shapes. They will also have used creativity and practised their general vocabulary / communicative skills.

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Transformations

Fill in the Gaps

Developed by Stuart Scott
Illustrations by Peter Bennett

Theme: Geometry

Age range: 5+

Context:

This activity gives students an opportunity to practise their mathematical vocabulary. In an enjoyable context, students are asked to draw and describe a series of geometric shapes to their partners, who then have to transform the descriptions into visual representations. Depending on their level of knowledge the descriptions can be either simple or quite intricate. If you devise any other activity around this theme please send it to the address below to help expand our library.

Preparation:

Print out the A4 sheets. We have included colour / black and white versions of the completed game, as well as colour / black and white versions of a DIY game where students or teachers can draw in their own "cave drawings". Each player will need some coloured pencils or pens.

HOW TO PLAY:

This is a game for two players.

Give one player "Cave Drawing Sheet A" and the other "Cave Drawing Sheet B".

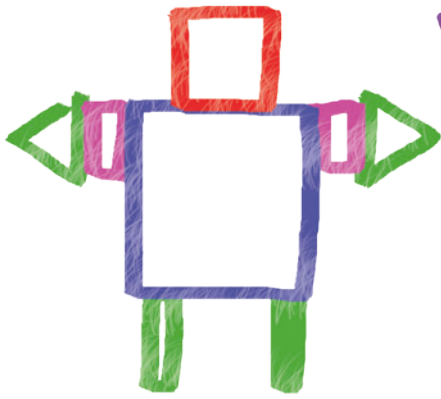
1. It is important that the players cannot see each other's sheets.
2. There are 8 boxes on each sheet. On Sheet A, boxes 1, 3 and 5 have cave drawings. Player A must fill in box 7 with their own invented cave drawing, using geometric shapes. Player B's sheet has boxes 2, 4 and 6 filled in, and they must create their own drawing in box 8.
3. Now the players will have opposite boxes filled in on their sheets. Player A must describe what is in Box 1 to player B, who should draw the result into the empty box on their sheet.
4. Player B should then describe to Player A the drawing in box 2, while Player A draws it into their empty box.
5. Once all the boxes are filled on both sheets, the students can compare their sheets and see how well they have described the drawings to each other.

Learning Outcomes:

Students will be able to describe various geometric shapes. They will also have used creativity and practised their general vocabulary / communicative skills. If you have found further learning outcomes please share them by emailing collaborate@mantralingua.com.

(You can purchase a professionally printed, sound-enabled version of this activity with pre-cut cards from www.mantralingua.com. Students can use TalkingPEN to record and re-record aurally onto the pages and cards. Recordings can be saved and used for assessment, or shared with other classes and schools via "ShareLINK".)

1



2



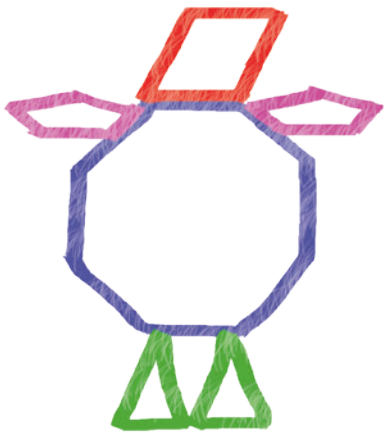
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4



5



6



7

draw your own



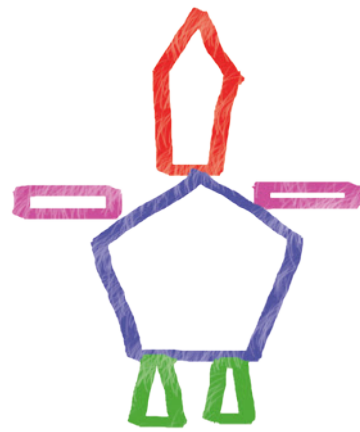
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1



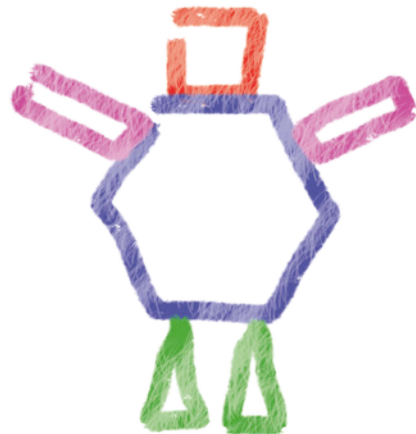
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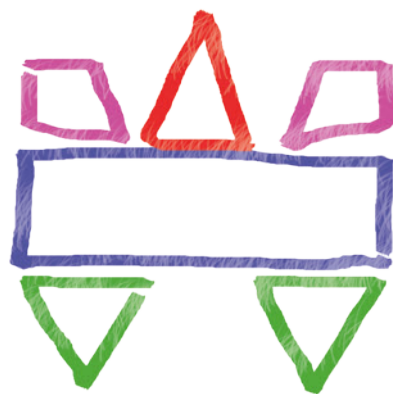
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7



8

draw your own



1

make a cave drawing using
geometric shapes



2



3

make a cave drawing using
geometric shapes



4



5

make a cave drawing using
geometric shapes



6



7

make a cave drawing using
geometric shapes



8



1



2

make a cave drawing using
geometric shapes



3



4

make a cave drawing using
geometric shapes



5



6

make a cave drawing using
geometric shapes



7

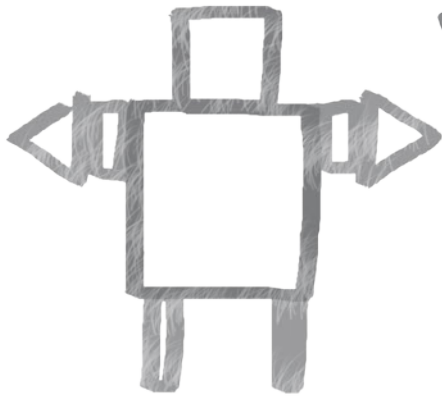


8

make a cave drawing using
geometric shapes



1



2



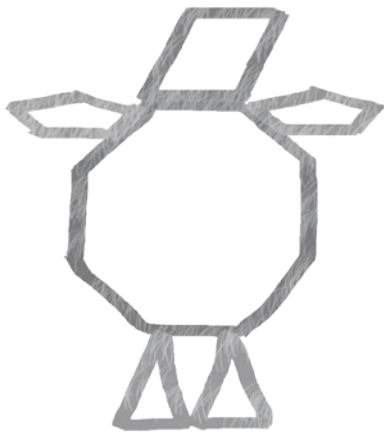
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draw your own



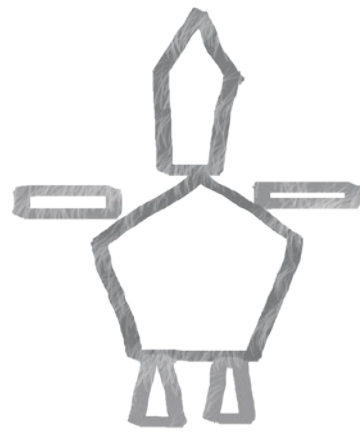
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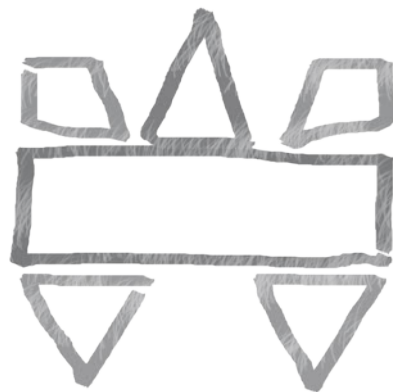
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8


draw your own




1 make a cave drawing using geometric shapes




2




3 make a cave drawing using geometric shapes




4




5 make a cave drawing using geometric shapes




6



7 make a cave drawing using geometric shapes



8



1



2

make a cave drawing using
geometric shapes



3



4

make a cave drawing using
geometric shapes



5



6

make a cave drawing using
geometric shapes



7



8

make a cave drawing using
geometric shapes

