

Worksheet

Answer the questions on this worksheet in the boxes next to the challenge questions.

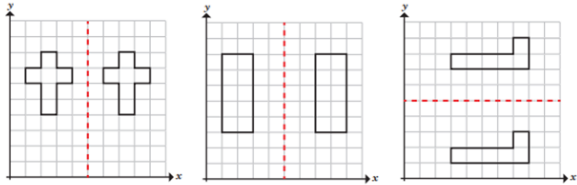
Remember:

The tasks are arranged in 3 challenges that get progressively more difficult.

- Challenge 1 is a “mild” challenge, if you are not confident
- Challenge 2 is “spicy”, a little bit more challenging, if you are feeling confident and find the first challenge too easy.
- Challenge 3 is “hot”. The questions are designed to challenge you and can be tricky.

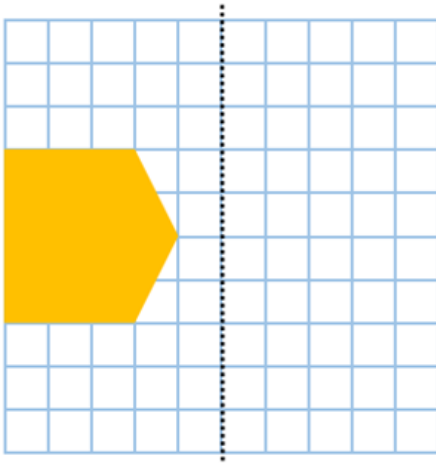
You can choose to do just one challenge or more than one, it is up to you. As a guide, if you are consistently getting everything correct, you should move up a challenge. If you are struggling on every question; move down a challenge.

Challenge 1:

Question	Answer
<p>1.</p>  <p>Spot which reflections have mistakes. List each mistake you can find.</p>	

2.

Draw the shape reflected in the vertical mirror line.



3.

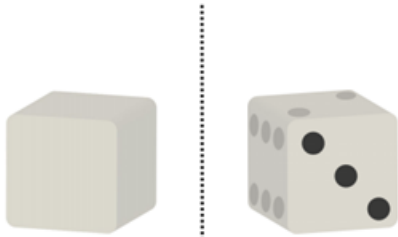
Do you agree with Millie?

When a shape is reflected in a mirror line, the shape will not change.



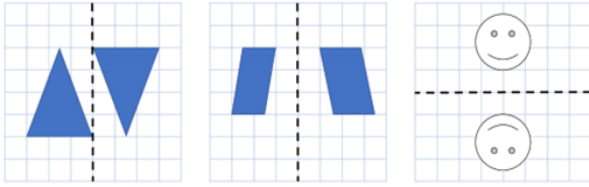
Explain your reasoning!

Challenge 2:

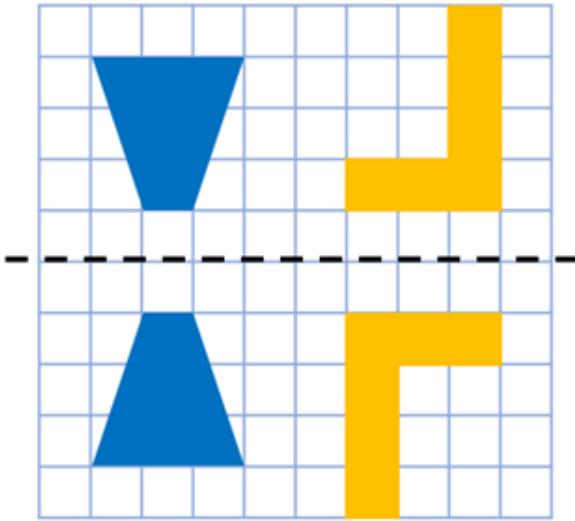
Question	Answer
<p>1.</p> <p>Reflect the dice spots in the vertical mirror line.</p> 	

2.


Which of the diagrams show reflections in the given mirror line?

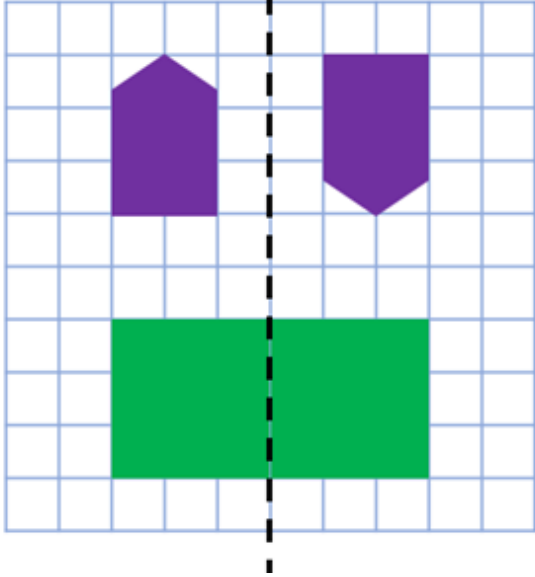


3. Identify and explain the errors



Challenge 3:

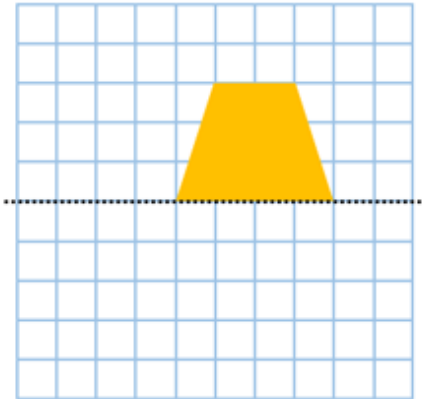
Question	Answer
<p>1.</p>  <p>Dora</p> <p>When you reflect a shape, its dimensions change.</p> <p>Do you agree with Dora? Explain your thinking.</p>	
<p>2. Identify and explain the errors</p>	



3.



The reflected shape will form a hexagon.



Is Alfie correct? Prove it!