

Worksheet

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

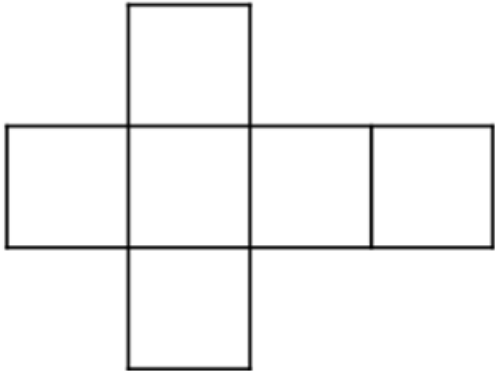
Remember:

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

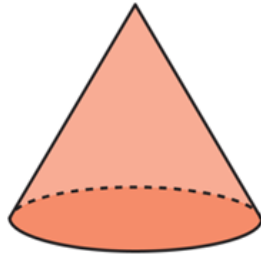
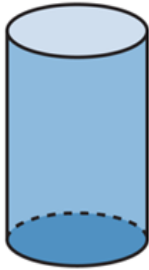
- Challenge 1 is a “mild” challenge, if you are not confident
- Challenge 2 is “spicy”, a little bit more challenging, if you are feeling confident and find the first challenge too easy.
- Challenge 3 is “hot”. The questions are designed to challenge you and can be tricky.

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.

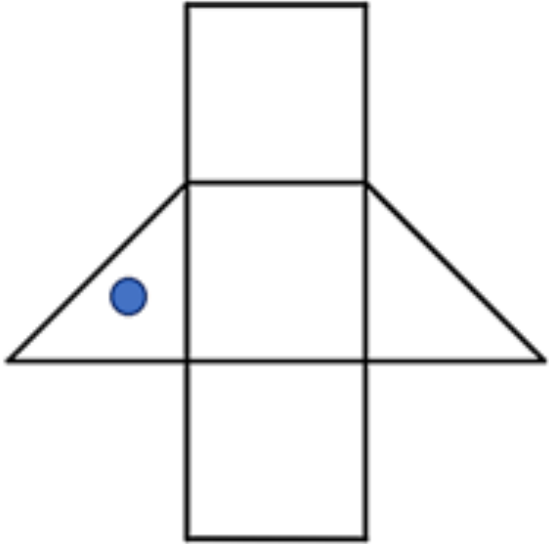
Challenge 1:


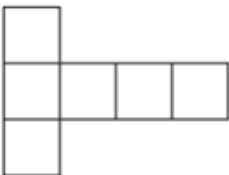
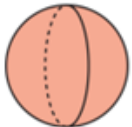
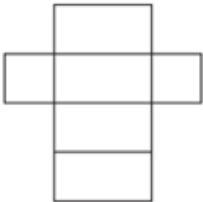
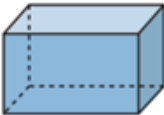
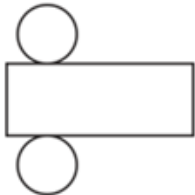
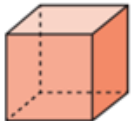
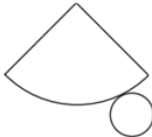
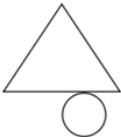
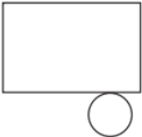
Question	Answer
<p>1. (a) How many faces does this net have?</p> 	
<p>(b) What 3-D shape will this net construct?</p>	

2. Name these 3-D shapes and their properties.

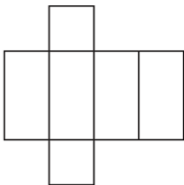
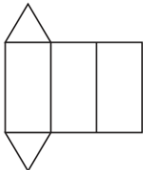
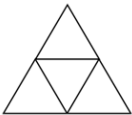


Challenge 2:

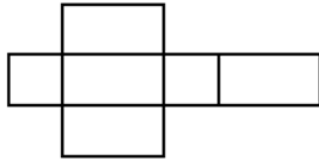
Question	Answer
<p>1. When constructed which face will be opposite the dot?</p> 	

<p>2.</p> <p>Which 3D shape does not match a 2D net?</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> <div style="width: 50%;">  </div> </div>	
<p>3. Which of these nets will construct a cone?</p> <div style="display: flex; justify-content: space-around;">    </div>	

Challenge 3:

Question	Answer
<p>1.</p> <p>What 2D shapes have been used to create these nets?</p> <div style="display: flex; justify-content: space-around;">    </div> <p>What 3D shapes do they make when constructed?</p>	
<p>2.</p>	

Jerry has created a net to make a cuboid.

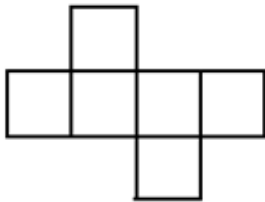
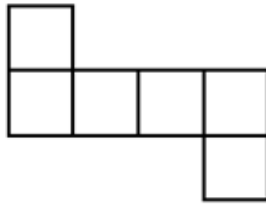


Has he done this correctly? Explain your reasoning!

3.

Whose net is the odd one out?

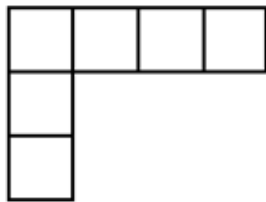
Ranjit



Jane



Caleb



Convince me!