Arithmetic

1. 481 ÷ 100

2. 83 x 3

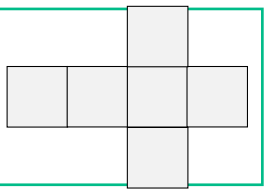
3. 741,862 + 28,411

4. $\frac{9}{10}$ of 110

Practice: Identify 3D Shapes from 2D Shapes

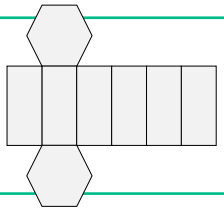
5. Recap: What is a 3D shape net?

6. Which 3D shape does this net make?



7. Complete the sentences about the net in question 6.
This net has ? faces. They are all ?.

8. Which 3D shape does this net make?



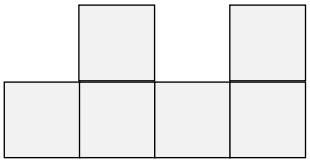
9. Complete the sentences about the net in question 8.
This net has ? faces. Two are ? and ? are rectangles.

10. True or false. Nets can help you to identify and count the faces on a 3D shape. Explain.

11. Name two 3D shapes with curved surfaces.

12. Name a 3D shape with the same number of vertices as faces.

13. This net makes a cube? Do you agree? Explain.



Challenge

14. Create at least 5 different nets for a cube.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	481 ÷ 100	4.81
2	83 x 3	249
3	741,862 + 28,411	770,273
4	$\frac{9}{10}$ of 110	99
5	What is a 3D shape net?	A net of a 3D shape is what a 3D shape would look like if it was opened out and placed flat. A net can be folded to create a 3D shape.
6	Which 3D shape does this net make?	Cube
7	Complete the sentences about the net in question 6.	6, square
8	Which 3D shape does this net make?	Hexagonal prism
9	Complete the sentences about the net in question 8.	8, hexagons, 6
10	True or false. Nets can help you to identify and count the faces on a 3D shape. Explain.	True. With 3D shapes (both physical shapes and images) it can be difficult to count the faces, especially if the image of the 3D shape is solid (it can be hard for pupils to visualise the shape). By having the net of a shape, it's easier to count the faces and see their shape without recounting them or misidentifying them.
11	Name two 3D shapes with curved surfaces.	Sphere, hemisphere, cylinder, cone
12	Name a 3D shape with the same number of vertices as faces.	Square-based pyramid
13	This net makes a cube? Do you agree? Explain.	This net would not make a cube. It has the correct number of faces and they are all squares but if this was attempted to be made into a cube, it would not meet up without overlapping faces.
14	Create at least 5 different nets for a cube.	Answers will vary. Accept answers that are accurate cube nets.