Arithmetic

1. 3,941 ÷ 7

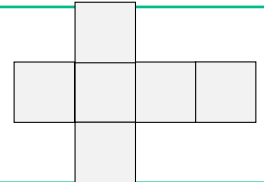**2.** 58% of 780

3. $2 - \frac{3}{7}$

4. 13 – 2.47

Practice: Nets of 3D Shapes
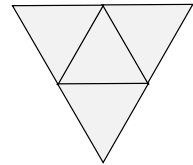
5. Recap: What is a 'net' of a shape?

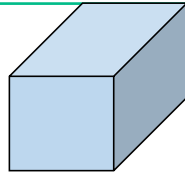**6.** What 3D shape can be made from this net?

7. Complete this net in a different way to question 6.

8. What 3D shape can be made from this net?
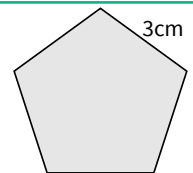
9. Draw the net for this 3D shape.

10. Name a 3D shape with at least one curved surface. What does a curved surface mean?

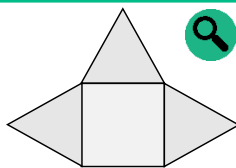**11.** Draw the net of a 3D shape with a curved surface.

12. Copy and complete the net for a pentagonal prism.

3cm

13. Izzie says her net makes a complete square based pyramid. Is she correct? Explain.

Challenge

14. Draw four incorrect nets for a cube.

Explain why each incorrect net would not make a complete cube.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	3,941 ÷ 7	563
2	58% of 780	452.4
3	$2 - \frac{3}{7}$	1 and $\frac{4}{7}$ or $\frac{11}{7}$
4	13 – 2.47	10.53
5	What is a 'net' of a shape?	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	What 3D shape can be made from this net?	Cube
7	Complete this net in a different way to question 6.	Accurately completed net of a cube that is different to question 6.
8	What 3D shape can be made from this net?	Tetrahedron
9	Draw the net for this 3D shape.	The final net should have 4 rectangles and two squares.
10	Name a 3D shape with at least one curved surface. What does a curved surface mean?	Sphere, hemisphere, cylinder, cone. A curved surface is rounded (not flat).
11	Draw the net of a 3D shape with a curved surface.	Accurately drawn net of one of the shapes noted in answer 10.
12	Copy and complete the net for a pentagonal prism.	The final net should have 5 rectangles (or squares) and two pentagons.
13	Izzie says her net makes a complete square based pyramid. Is she correct? Explain.	Izzie is incorrect. Her net should have four triangles and one square but it only has three triangles and one square. Her net would be incomplete.
14	Draw four incorrect nets for a cube. Explain why each incorrect net would not make a complete cube.	Answers will vary. Accept answers that demonstrate an understanding of why the net would not make a complete cube net.