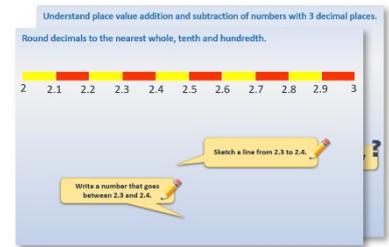


Week 14, Day 4

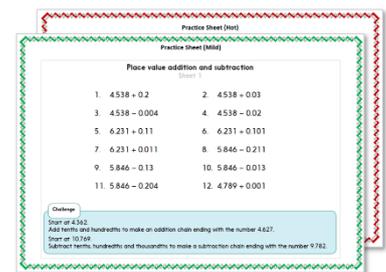
3-D shapes (2)

Each day covers one maths topic. It should take you about 1 hour or just a little more.

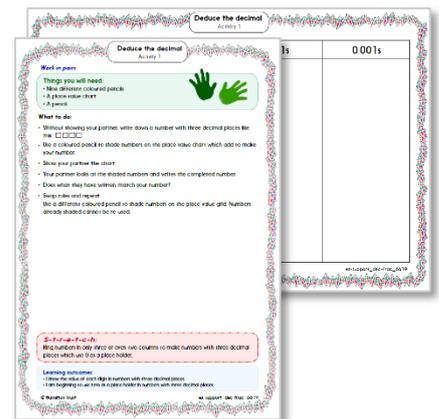
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



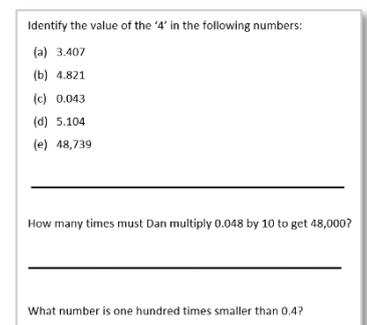
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**

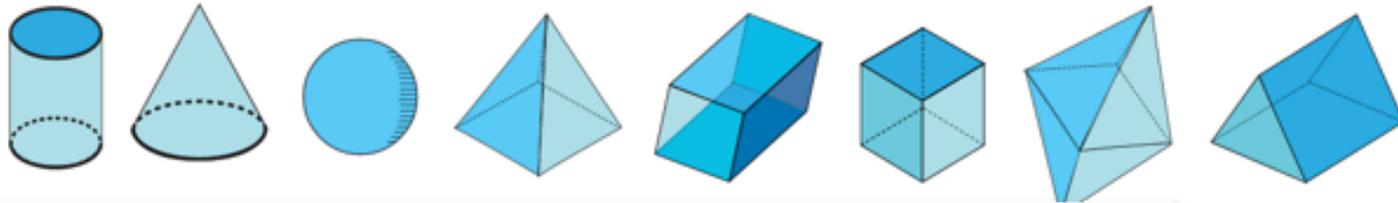


4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!

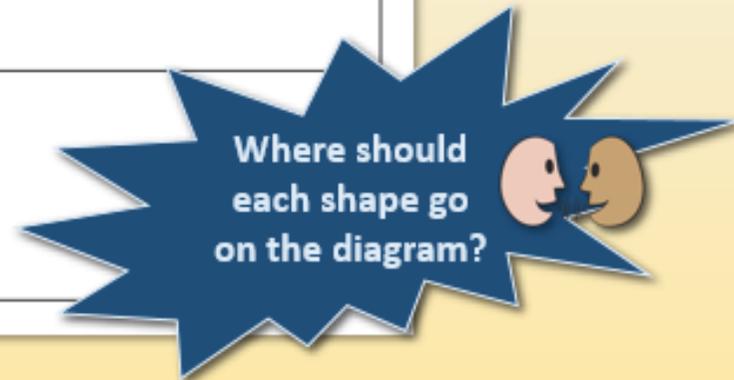


Learning Reminders

Describe, name and sort 3-D shapes using a Carroll diagram.

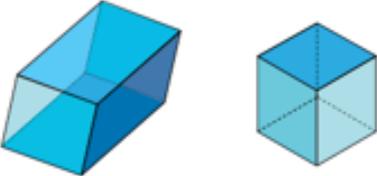
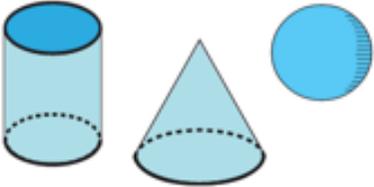
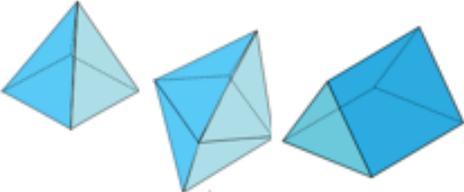


	Curved face	Does not have a curved face
6 faces		
Does not have 6 faces		



Learning Reminders

Describe, name and sort 3-D shapes using a Carroll diagram.

	Curved face	Does not have a curved face
6 faces		
Does not have 6 faces		

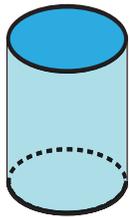
What does the Carroll diagram tell us about the 3-D shapes?

There were no shapes with curved faces that also had 6 faces!

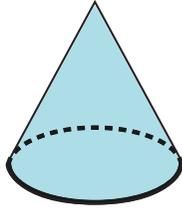
Practice Sheet Mild

Sorting 3-D shapes

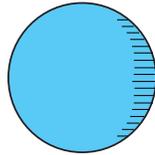
Write the number of the shape in the box where it belongs in the Carroll diagram.



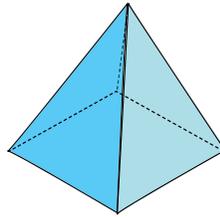
1



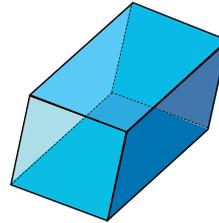
2



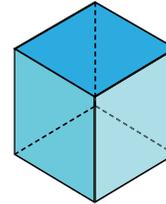
3



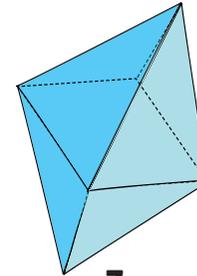
4



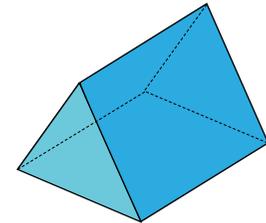
5



6



7



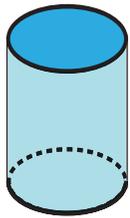
8

	Has a curved face	Does not have a curved face
Has a circular face		
Does not have a circular face		

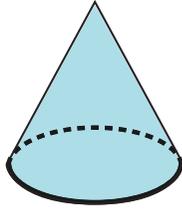
Practice Sheet Hot

Sorting 3-D shapes

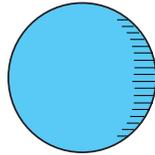
Write the number of the shape in the box where it belongs in the Carroll diagram.



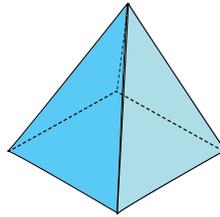
1



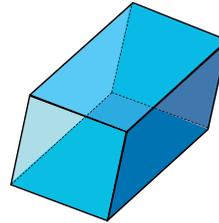
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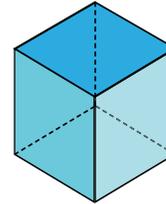
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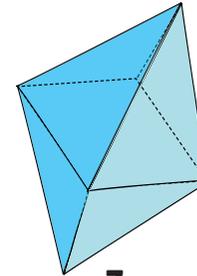
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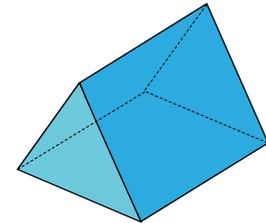
5



6



7



8

	Has a curved face	Does not have a curved face
Has a triangular face		
Does not have a triangular face		

Practice Sheets Answers

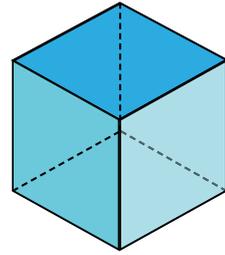
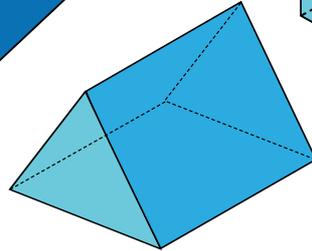
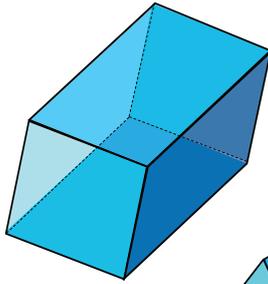
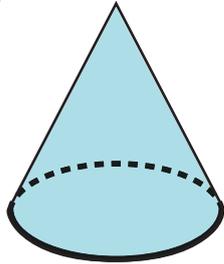
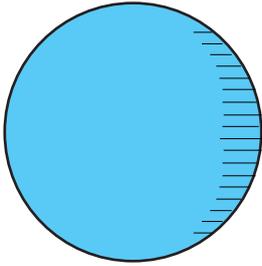
Sorting 3-D shapes (mild)

	Has a curved face	Does not have a curved face
Has a circular face	1, 2	
Does not have a circular face	3	4, 5, 6, 7, 8

Sorting 3-D shapes (hot)

	Has a curved face	Does not have a curved face
Has a triangular face		4, 7, 8
Does not have a triangular face	1, 2, 3	5, 6

A Bit Stuck? Guess the shape



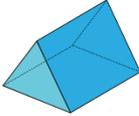
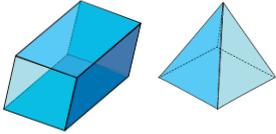
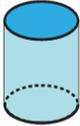
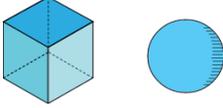
- For each shape in the picture fill in a description card below.
- Name or sketch the shape on the back of the card.
- Shuffle the cards.
- Take it in turns to choose card, and say which shape it described. Turn over to check.

<div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> faces</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> vertices (corners)</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> face(s) is/are curved</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> face(s) is/are flat</div> <p>Shapes of the faces:</p> <hr/>	<div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> faces</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> vertices (corners)</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> face(s) is/are curved</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <input type="text"/> face(s) is/are flat</div> <p>Shapes of the faces:</p> <hr/>
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Check your understanding

Questions

Circle the shapes in the **wrong** part of this diagram:

	Has a curved face	Does not have a curved face
Has a triangular face		
Does not have a triangular face		

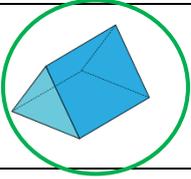
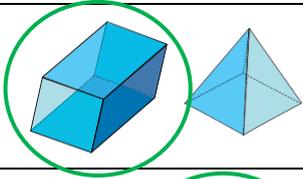
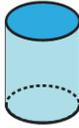
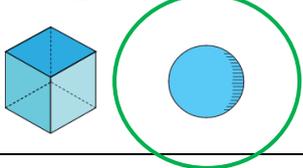
Write the names of at least three 3-D shapes in this diagram:

	Has a curved face	Does not have a curved face
Has a square face		
Does not have a square face		

Check your understanding

Answers

Circle the shapes in the wrong part of this diagram.

	Has a curved face	Does not have a curved face
Has a triangular face		
Does not have a triangular face		

Write the names of at least three 3-D shapes in this diagram:

Here are some examples of answers.

	Has a curved face	Does not have a curved face
Has a square face		cube cuboid (some types) square-based pyramid
Does not have a square face	cylinder cone sphere	triangular prism tetrahedron (triangle-based pyramid) octahedron cuboid (some types)