Arithmetic

1. 31p + 14p = ?p

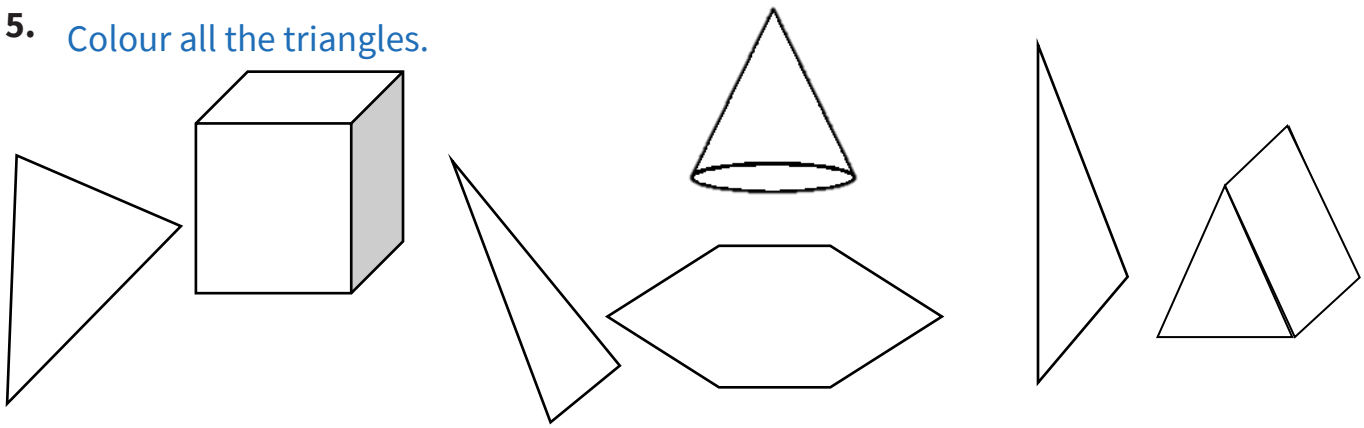
2. Double 3m = ?m

3. $\frac{1}{3}$ of ? = 4

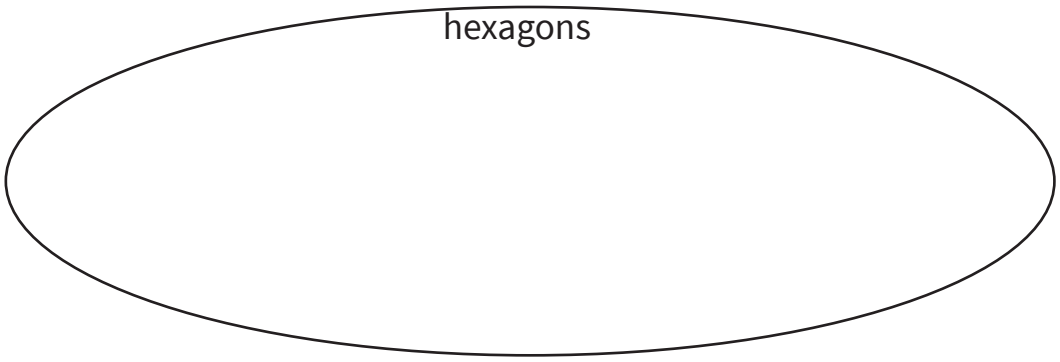
4. 20 – 11 = 19 - ?

Practice: Sorting Shapes

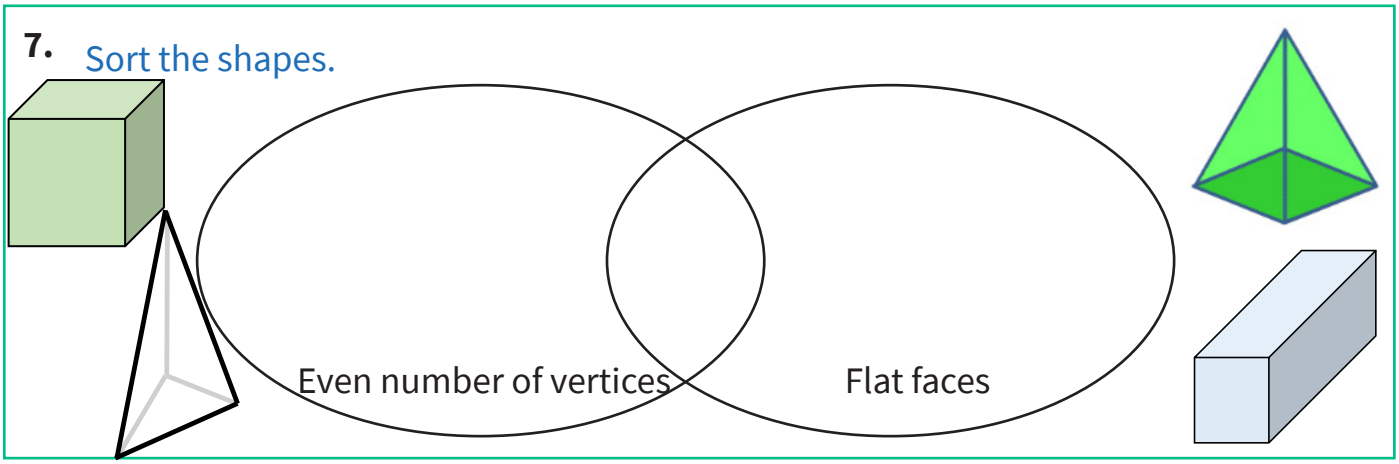
5. Colour all the triangles.



6. Draw a group of three different hexagons.



7. Sort the shapes.

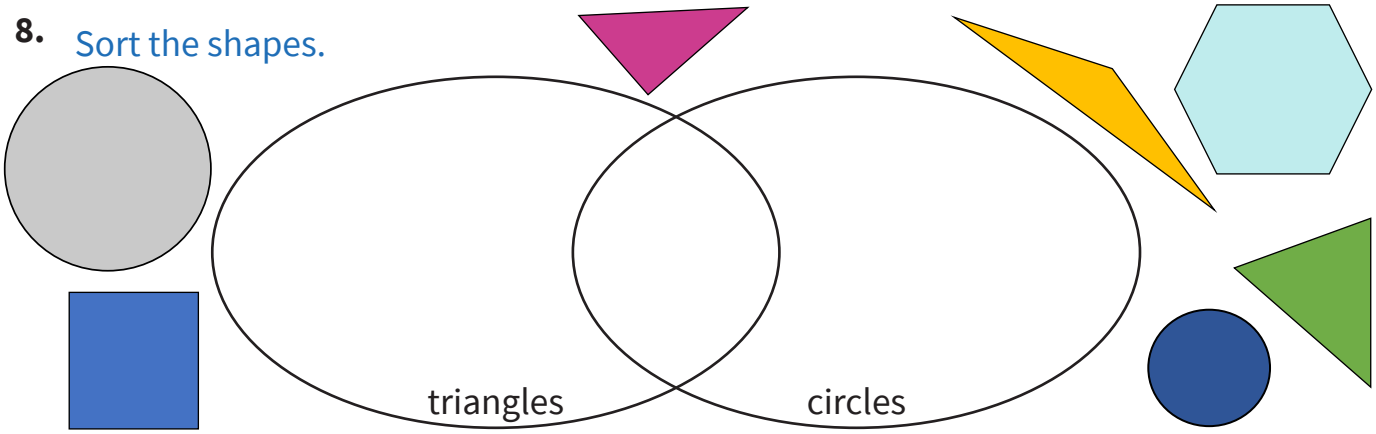


You might want to talk to an adult

Use resources to help you

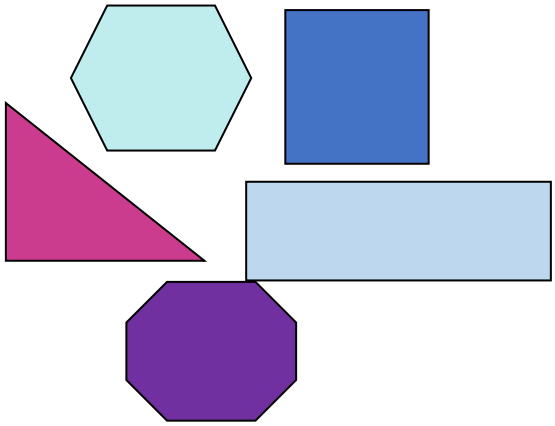
Spot the mistake

8. Sort the shapes.



9. Explain how to sort these shapes.

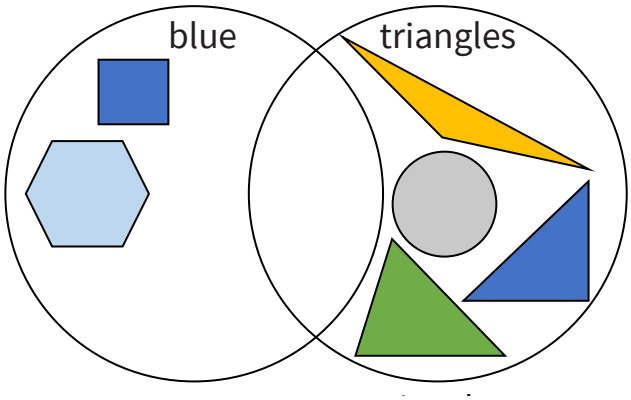
5 or more sides	Less than 5 sides



10. Zidan has sorted the shapes.

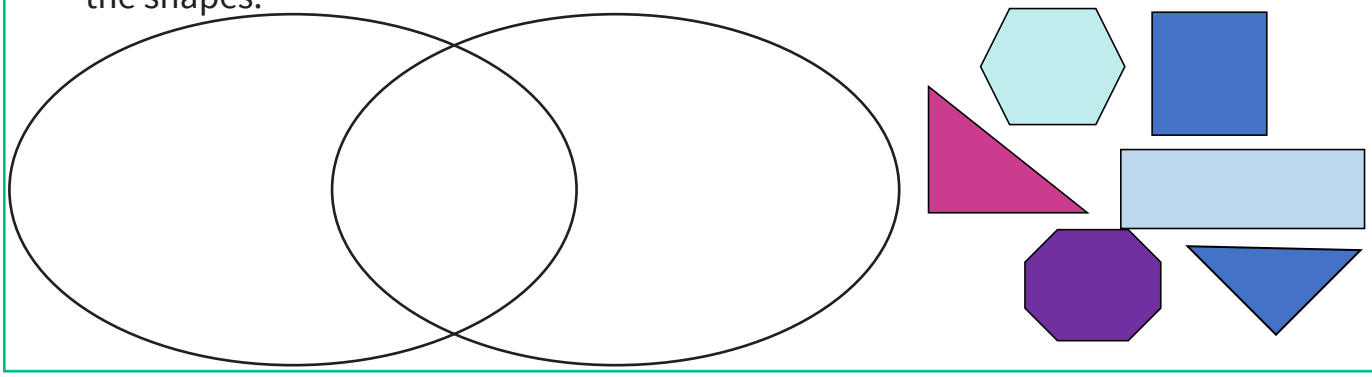
Is the sorting correct?

Explain your answer.



Challenge

11. Here are some shapes. Label the Venn diagram in a way of your choice then sort the shapes.



Answers

Q no.	Question	Answer
1	31p + 14p = ?p	45p
2	Double 3m = ?m	6m
3	$\frac{1}{3}$ of ? = 4	12
4	20 – 11 = 19 - ?	10
5	Colour all the triangles.	Triangles only coloured.
6	Draw a group of three different hexagons.	Any 2D shapes with 6 sides.
7	Sort the shapes.	Even number of vertices – none, both – cube, triangle based, cuboid and flat faces – square based
8	Sort the shapes.	Triangles and circles in the correct group.
9	Explain how to sort these shapes.	To sort the shapes the pupils would first need to count the number of sides. When they have counted the sides, they can put the shapes into the correct column of the table.
10	Is the sorting correct? Explain your answer.	Zidan has made two key errors in this question. The point that intersects both circles on a Venn diagram should contain information that meets both criteria. Therefore the blue triangle should be in the middle. There is also a circle in the 'triangle' section. As it does not fit in either circle, the triangle should remain outside of the Venn diagram.
11	Here are some shapes. Label the Venn diagram in a way of your choice then sort the shapes.	Pupils should have labelled the Venn diagram in a way that is appropriate to the way they have sorted the shapes.