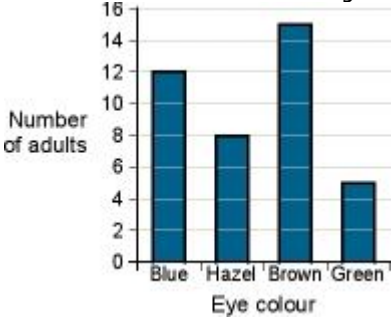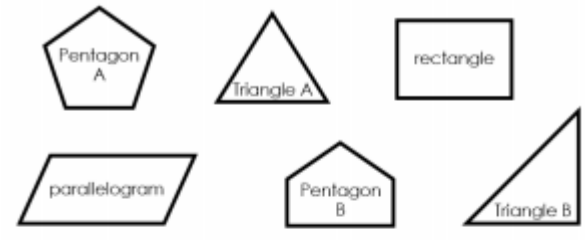# Maths – week 5

This week we will be having a go at some maths puzzles and challenges. Each day consists of an activity and an extra challenge, where appropriate, for those that would like a little more! Please work through these at your own pace and if you are following a different scheme entirely then that's fine too! Remember, these lessons are just ideas to help you out and can be adapted to suit life at home. Please ask if you have any question or want some ideas! **The questions for some of these activities listed below are also included in this document as are the answers where applicable.**
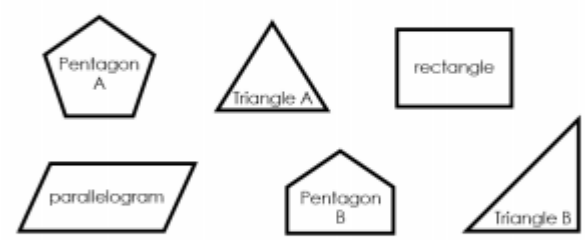
Mon	Video – Follow the link below to find the video dated the 22nd April named **'Guess the Shape'.** http://www.iseemaths.com/lessons34/ Watch the video, pausing it as you go to give you time to think and jot down an answer!	When you've watched the video through, have a go at the following questions: http://www.iseemaths.com/wp-content/uploads/2020/04/22nd-April-Y34-Guess-the-Shape.pdf
Tues	Here is a grid of four "boxes": You must choose four **different** digits from $1 — 9$ and put one in each box. For example: 5 2 1 9 This gives four two-digit numbers: 52 (reading along the 1st row) 19 (reading along the 2nd row) 51 (reading down the left hand column) 29 (reading down the right hand column) In this case their sum is 151. Can you find four **different** digits that give four two digit numbers which add up to a **total of 100**?	**Challenge:** How many **different** ways can you do this?

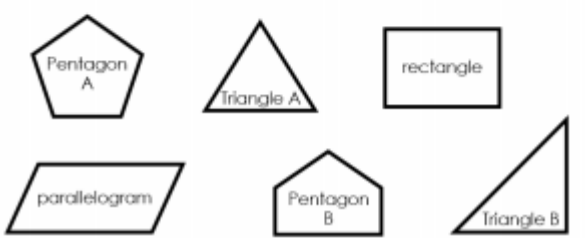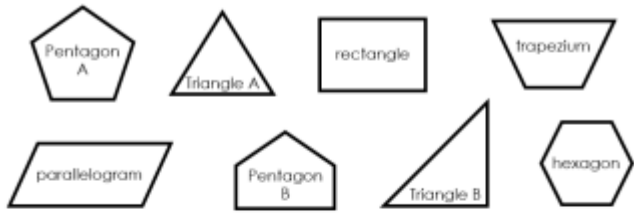|		
Weds	Video – Follow the link below to find the video dated the 23rd April named **'Shape Properties'.** http://www.iseemaths.com/lessons34/ Watch the video, pausing it as you go to give you time to think and jot down an answer!	When you've watched the video through, have a go at the following questions: http://www.iseemaths.com/wp-content/uploads/2020/04/23rd-April-Y34-Shape-Properties.pdf Write your answers down on a piece of paper. Possible answers are included below.
Thurs	Look at the bar chart and answer the following questions: 1. How many adults have hazel eyes? 2. Which colour of eyes was the most common? 3. What is the difference between the most and least common eye colour? 4. How many adults were asked in total about their eye colour? 5. The chart is missing a title. What would you suggest as a title? 	**Challenge 1** Create your own bar chart using the following data. Remember to label the axis and add a title! | Favourite fruit	Frequency
---	---
Apple	4
Orange	7
Pear	3
Quince	15
Coconut	12
Banana	8	 **Challenge 2** Collect your own data and make your own bar chart!
Fri	Video – Follow the link below to find the video dated the 24th April named '**4 Triangles Challenge'.** http://www.iseemaths.com/lessons34/ Watch the video, pausing it as you go to give you time to think and jot down an answer!	When you've watched the video through, have a go at the following: http://www.iseemaths.com/wp-content/uploads/2020/04/24th-April-Y34-4-Triangles-Challenge.pdf
Extra	Keeping going with your work on TT Rockstars and any other times tables games you have managed to find such as Coconut Multiples!	The website: https://www.topmarks.co.uk/ has lots of different interactive games that you can play about lots of different mathematical topics!

Resources
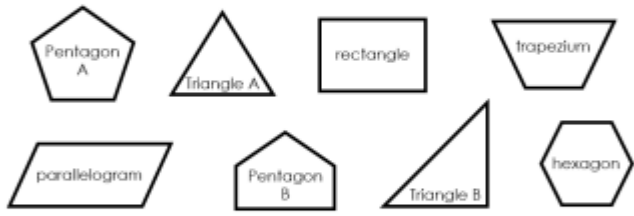
Monday

Shapes

Pentagon A

Triangle A

rectangle

parallelogram

Pentagon B

Triangle B

Shapes

Pentagon A

Triangle A

rectangle

parallelogram

Pentagon B

Triangle B

Shapes

Pentagon A

Triangle A

rectangle

parallelogram

Pentagon B

Triangle B

Shapes

Pentagon A

Triangle A

rectangle

trapezium

parallelogram

Pentagon B

Triangle B

hexagon

Shapes

Pentagon A

Triangle A

rectangle

trapezium

parallelogram

Pentagon B

Triangle B

hexagon

Shapes

Pentagon A

Triangle A

rectangle

trapezium

parallelogram

Pentagon B

Triangle B

hexagon

Wednesday
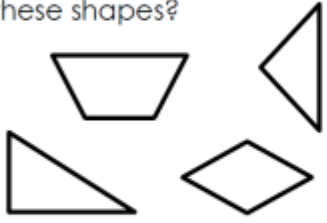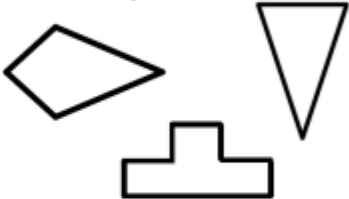
Task A

What is **the same** about these shapes?
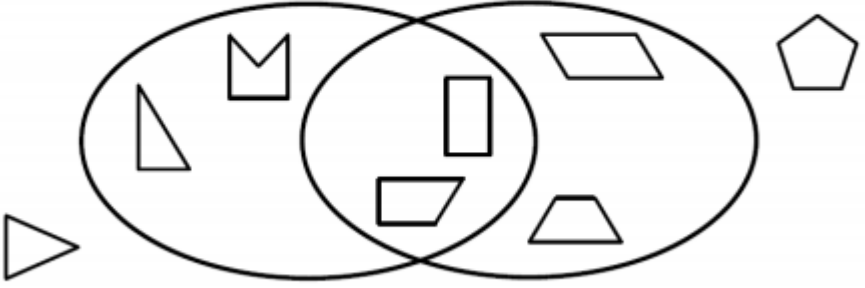
What is **the same** about these shapes?

Task B

The headings for each section of the Venn diagram have been hidden. **What could each heading be?**

Heading A

Heading B

Draw other shapes in each section of the Venn diagram.

Friday

Triangles