

Key: M=developing/mild, S=expected/spicy, H=greater depth/hot M S H

Maths Tasks for M S H

Day 1 Monday:

Look at the PowerPoint: **Pack 5 Day 1 MSH Clever Circles** and answer the questions set.

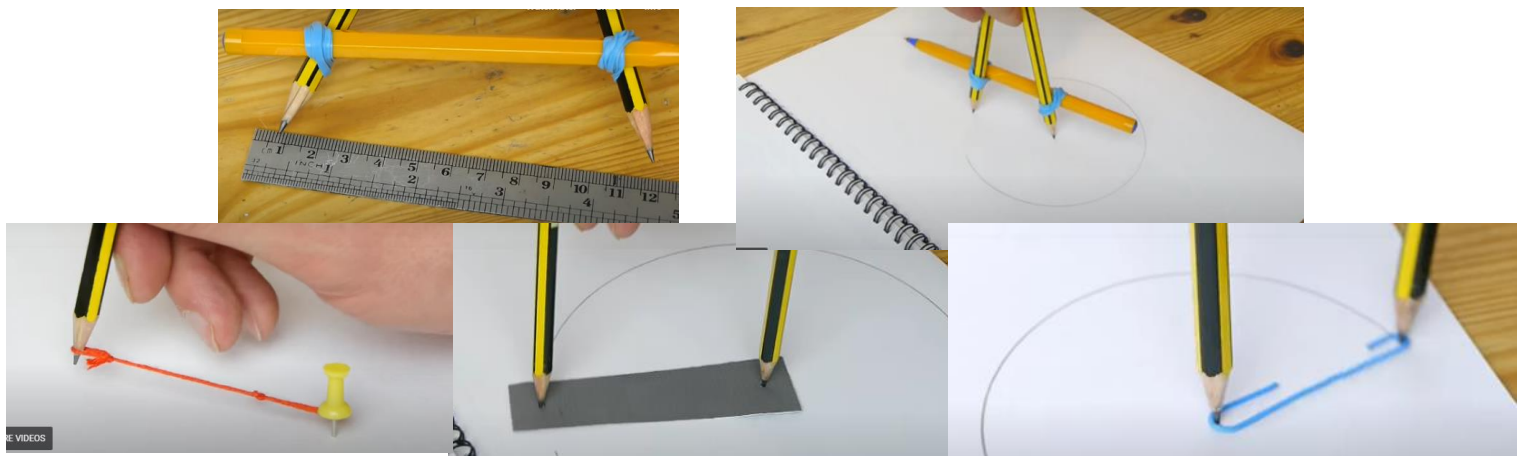
- Geometry riddles
- Circle riddles
- Using a pair of compasses

If you **don't** have a pair of compasses, watch this clip:

<https://lifehacker.com/seven-ways-to-draw-perfect-circles-without-a-compass-1792458699>

(You might like to try these methods anyway).

You can draw a circle using two pencils, a paper clip, a piece of string or piece of card:



Day 2 Tuesday:

- First check your understanding from yesterday and match the circles to the correct riddle. **Pack 5 Day 2 MSH Circle Riddles**
- Now that you can draw a circle, practise drawing circles of particular dimensions and label them. Complete the activities on all three of these sheets: **Pack 5 Day 2 MSH Drawing Circles Activity Sheets**

Day 3 Wednesday:

- Follow the instructions on this sheet: **Pack 5 Day 3 MSH Clever Circles Challenge** and draw circle patterns. You can make up some of your own and colour them in.

Day 4 Thursday:

Mild Pack 5 M Days 4-10 Maths Booklet

- Page 2 - Place value code breaker
- Page 3 – Calculations code breaker

Spicy Hot

Look at the PowerPoint: **Pack 5 Day 4 SH Circle Algebra** and answer the questions set:

- Parts of a circle
- Measurement patterns **Pack 5 Day 4 SH Circle Fact Files**- can you spot any patterns or relationships between the measurements of diameter, radius and circumference of these circles?

Day 5 Friday:

Mild

- Page 4 – Colour by calculation
- Page 5 – written multiplication and divisions calculations code breaker

Spicy Hot

Continue with the PowerPoint: **Pack 5 Day 5 SH Circle Algebra**

- Circle Algebra 1 – understand the relationships
- Circle Algebra 2 **Pack 5 Day 5 SH Circle Algebra Activity Sheets** and answer the questions set (draw and label circles and know that the diameter is twice the radius-answers at the end).
- If you are able to print sheets, play **Pack 5 Day 5 SH Parts of a Circle Dominoes**.

Day 6 Monday:

Mild

- Page 6 – Addition and subtraction mosaic
- Page 7 – Summer number puzzles

Spicy Hot

Look at the PowerPoint: **Pack 5 Day 6 SH Circle Reasoning** and work through the examples.

Day 7 Tuesday:

Mild

- Page 8 – Pirate Flags
- Page 9 – Adding and subtracting fractions board game

Spicy Hot

Complete the tasks:

- **Pack 5 Day 7a SH Circle Reasoning** (answers included, explanation on a different sheet).
- **Pack 5 Day 7b SH Circle Reasoning** (answers included, explanation on a different sheet).

Day 8 Wednesday:

Mild

- Page 10 – Butterfly pattern symmetry
- Page 11 – Coordination translations

Spicy Hot

- **Pack 5 Day 8 SH Circles Tasks** (answers to part 3 on separate sheet).
- **Pack 5 Day 8 SH Circle Algebra Extra Challenge**

Day 9 Thursday:

Mild

- Page 12 – Pie chart

Spicy Hot

Complete over the next two days (answers on a separate sheet).

- **Pack 5 Day 9 SH Properties of Shapes Revision**

Day 10 Friday:

Mild

- Pages 13 -14 Board game

Spicy Hot

Continue with: **Pack 5 Day 9 SH Properties of Shapes Revision**

OR

The diameter of a circle fits around the circumference Pie (π) number of times.

Look at the PowerPoint: **Pack 5 Day 10 SH Maths-Mastery Circles**

You can use a piece of thread or string (the length of the diameter) to work out the number value of Pie (π).