

Maths Plan
June 2nd- 5th

Maths this week is fairly easy and fun, upload any art work you complete to the art channel, we would love to see it.

Shape and space- the circle what you need to know.

- How many degrees in a circle.
- Can I use a compass to draw a circle
- Do I know how to find the area of a circle
- Do I know how to find the circumference of a circle.
- Do I know how to find the radius and diameter of a circle
- What is an arc of a circle.
- Do I know what a line of symmetry is, can I draw in lines of symmetry on shapes.
- What is a tessellating shape? Can I identify shapes that tessellate.

Tuesday

Correct New Wave mental maths from last week and complete Monday and Tuesday for week 33.

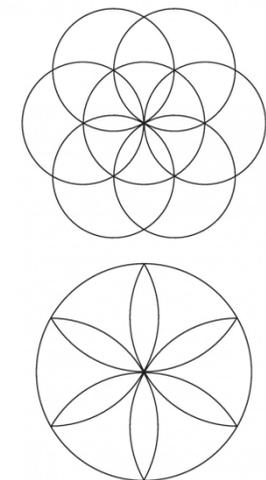
*If you do not have your compass and it is still at school I hope to be at school today Tuesday after lunch and I will leave any mathematic sets I have outside the front door. Keep an eye on the general chat on Teams as I will post an update there.

Shape and space- The circle chapter 30 mathemagic.

-How many degrees in a circle- There are 360degrees in every circle, 180degrees in a semi-circle.

-Drawing a circle given the radius.

Watch [tutorial 88](#) and practice drawing the following circles- circle of radius 5cm , circle of radius 8cm. See if you can make a pattern drawing using different sized circles, feel free to colour them in and decorate when finished.



Wednesday

New wave mental maths week 33 Wednesday.

Shape and space- The circle chapter 30 mathematic.

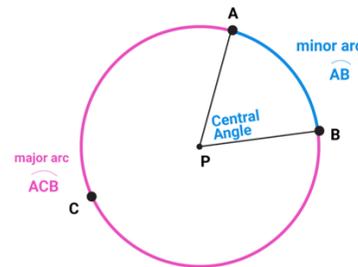
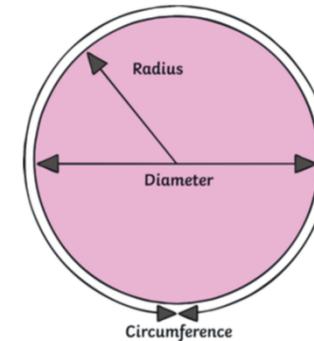
Learn what the following parts of the circle refer to:

Radius- any straight line drawn from the center of the circle to the edge of the circle.

Diameter- is twice the radius. It is any straight line drawn from one side of the circle to the other through the center of the circle. Try the following to help you understand radius and diameter [tutorial 90](#).

Circumference- the outside of the circle, if you were putting a fence around a circle you would need to know the circumference. Watch [tutorial 89](#) on circumference of a circle. (Formula for circumference = diameter X 3.14)

Area of a circle- the amount of space it covers, if you were putting carpet on a circular room you would need to know the area. (area of a circle= $3.14 \times \text{radius}^2$)



Arc of a circle- any section of a circumference of the circle:

Thursday- Lines of symmetry

New wave mental maths Thursday week 33.

What is a line of symmetry- it is a line drawn through a shape that if you fold the shape along the line both sides match exactly. Watch the following video if you still do not understand what a line of symmetry is. [What is a line of symmetry?](#)

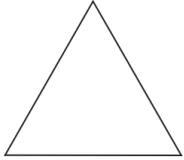
Can you guess how many lines of symmetry the following shapes have. The answers are on the following page but make your guess first and see how many of the 11 you can get correct.

Lines of Symmetry

Name: _____ Date: _____

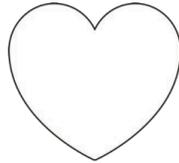
Draw as many lines of symmetry as you can.

1.



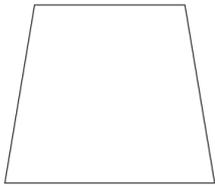
How many lines of symmetry?

2.



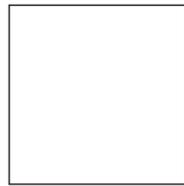
How many lines of symmetry?

3.



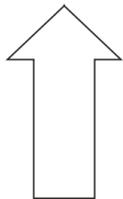
How many lines of symmetry?

4.



How many lines of symmetry?

5.



How many lines of symmetry?

Lines of Symmetry

Name: _____ Date: _____

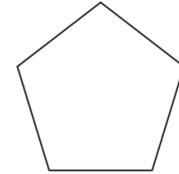
Draw as many lines of symmetry as you can.

1.



How many lines of symmetry?

2.



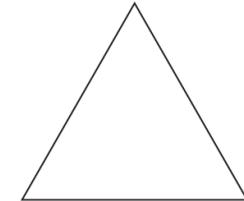
How many lines of symmetry?

3.



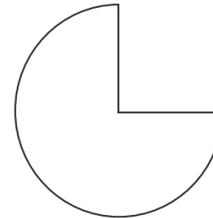
How many lines of symmetry?

4.



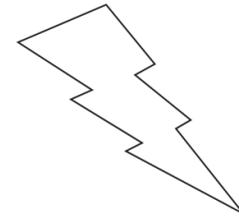
How many lines of symmetry?

5.



How many lines of symmetry?

6.



How many lines of symmetry?

Lines of Symmetry

Lines of Symmetry

Answers

1. 3 lines of symmetry
2. 1 line of symmetry
3. 1 line of symmetry
4. 4 lines of symmetry
5. 1 line of symmetry

Answers

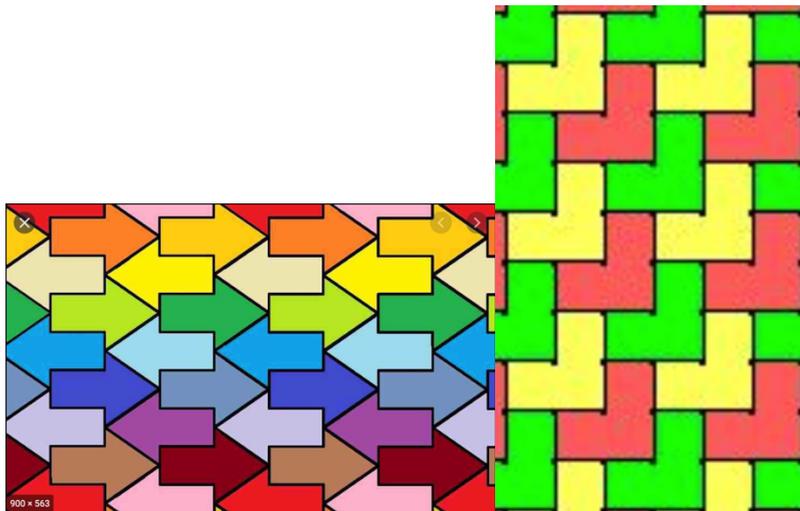
1. 1 line of symmetry
2. 5 lines of symmetry
3. 4 lines of symmetry
4. 3 lines of symmetry
5. 1 line of symmetry
6. 0 lines of symmetry

Friday- Tessellating shapes.

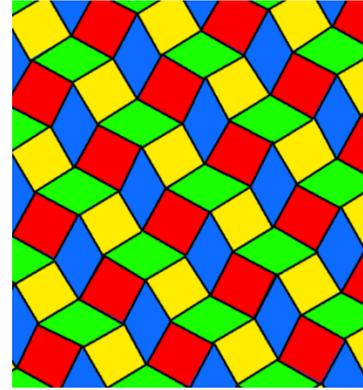
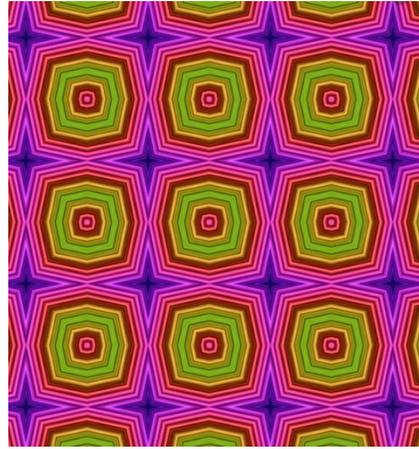
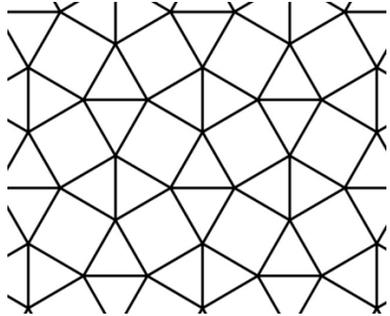
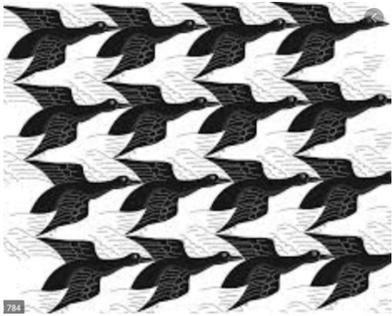
New wave mental maths week 33 Friday review, fill in in assignments also.

Easy activity for maths today class- Tessellating shapes.

Tessellating shapes are reoccurring shapes that fit together with no gaps between them, squares and rectangles and triangles tessellate on their own, circles don't. Think of a brick wall, all the rectangular bricks fit perfectly together with no gaps between them Here are a few examples of tessellations using irregular shapes (not squares, rectangles etc.).



You can also mix shapes to make tessellations.



For today's maths activity have a look at the art channel and see if you can create your own tessellating picture. Make sure to upload your picture to the art channel afterwards.