Year 6 maths newsletter

Summer 1

This half-term will be split into two maths topics ‘statistics’ and ‘shape’.

Any queries please email either:
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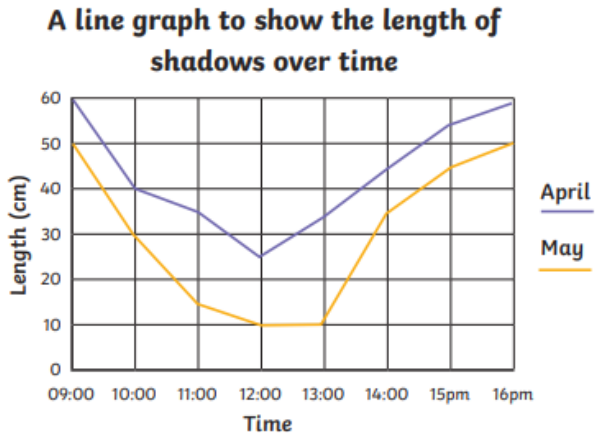
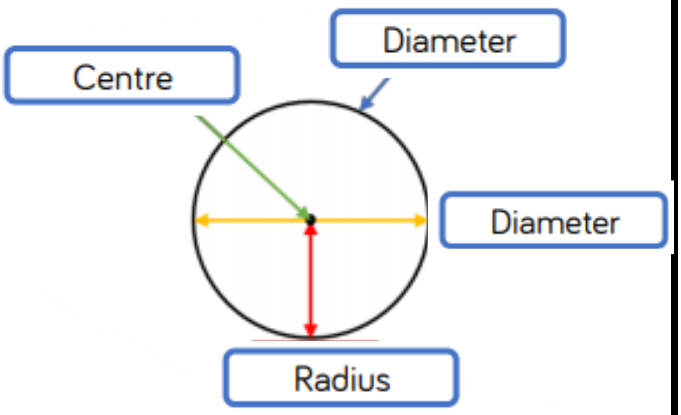
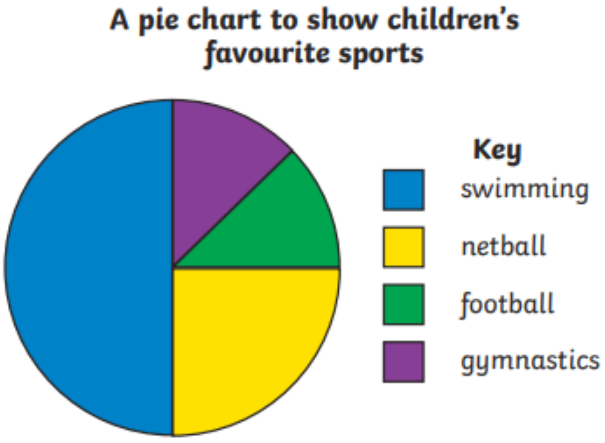
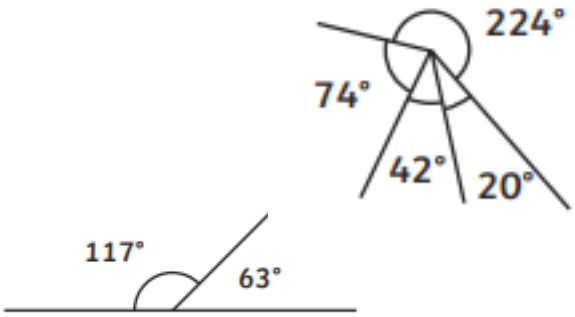
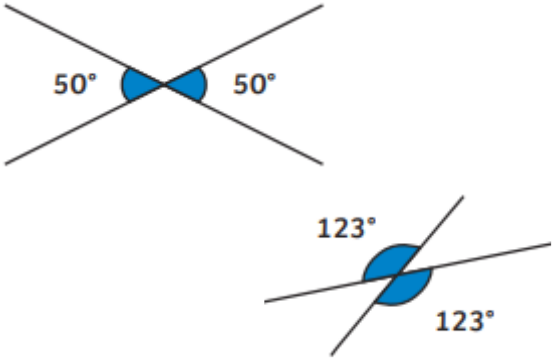
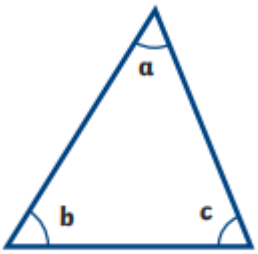
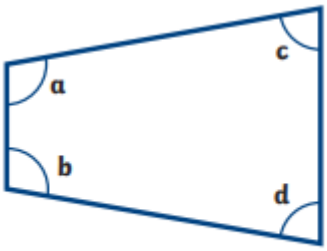
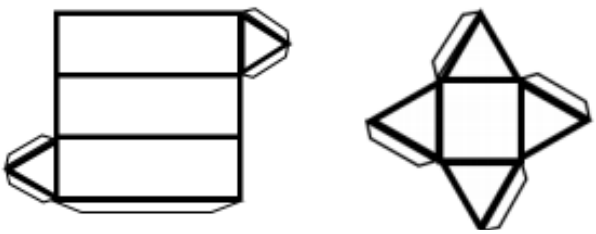
Statistics

Line graphs	Circles
Children build on their experience of interpreting data from Year 5 to read, draw and use line graphs to solve problems. 	Children will illustrate and name parts of circles, using the words radius, diameter, centre and circumference 
Pie charts	**The mean**
Children will build on their understanding of circles to start interpreting pie charts. They will understand how to calculate fractions of amounts to interpret simple pie charts. 	Children apply their addition and division skills to calculate the mean average in a variety of contexts. Mean = Total ÷ number of items. 

Shape

Calculate angles.	Vertically opposite angles
Children apply their knowledge that angles on a straight line add up to 180° and add up to 360° on a point to work out missing angles. 	Vertically opposite angles share a vertex. Children learn that these are equal. 
Angles in triangles	**Angles in quadrilaterals**
Children learn that all interior angles of a triangle total 180°.  **a + b + c = 180°**	Children learn that all interior angles of a quadrilateral total 360°  **a + b + c + d = 360°**
Angles in polygons	**3-D shape nets**
Sum of Interior Angles = (n − 2) × 180° **Each Angle = $\frac{(n-2)\times 180^\circ}{n}$**  **Pentagon** n = 5 (5 - 2) × 180° = 540° 540° ÷ 5 = 108°	Year 6 use their knowledge of 2-D and 3-D shapes to identify three dimensional shapes from their nets. 

Vocabulary

The following vocabulary is used in the classroom to support learning. Please continue to support your child at home by using the same vocabulary.

statistics	shape
Line graph	angle
Pie chart	right angle, acute, obtuse, reflex
frequency table	protractor
discrete data	parallel, perpendicular
continuous data	polygon, regular, irregular
interpret	diameter, circumference

Further support at home

To support your child at home, we encourage the use of the classroom vocabulary and the same methods/ strategies of calculation.

When working with your child at home, you can ask them the following question starters to further demonstrate their understanding.

Times tables practise

Times Table Rock Stars is a fun and interactive way for your child to practise their times tables at home. By Year 6, children will have been taught all their times tables up to 12 X 12. Please continue to practise and support your child with these at home.
https://ttrockstars.com/

If you have any questions on how to support your child at home or need any log in information, please contact your child's class teacher.