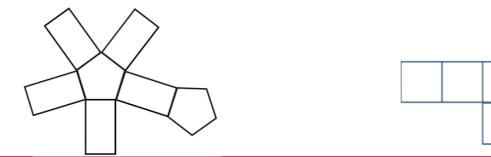


## **Describing circles**

L10 Illustrate and name parts of a circle

Pupils learn the names of different parts of the circle and this knowledge should be regularly revisited in Maths Meetings. Ensure exposure to examples and non-examples of key parts such as the radius and diameter to deepen understanding. Pupils then solve problems involving the relationship between radius and diameter.

? How will you ensure all pupils have multiple opportunities to use the key language introduced in this lesson?



Exploring 3-D shape L8 Describe 3-D shapes including from nets L9 Recognise and build 3-D shapes from nets Pupils compare and classify a range of 3-D shapes, applying their understanding of the properties of 2-D shapes. This allows opportunities to generalise about the properties of categories of 3-D shapes such as prisms. Throughout this lesson pupils should be exposed to a range of concrete and pictorial 3-D shapes. They then explore nets and discuss the 2-D shapes required to build a net, before solving problems involving nets, such as the position of dots on the net of a die. Alongside encouraging pupils to visualise folding nets, pupils should have opportunities to practically experience this. ? What representations and examples will you provide to support pupils in identifying 3-D shapes

based on their properties?

## It's all negative

This <u>article</u> from NRICH provides further suggestions for introducing and using negative numbers in context. This NRICH article provides an insight into calculating intervals across zero. This Espresso article from Cambridge Mathematics provides research into introducing negative numbers.

> Video: Translating points and shapes

Video: Reflection or Translation? Lesson 7 is a suggested consolidation lesson. You may wish to use this to extend problem solving opportunities with coordinates.