



Foundation Skills

Language, Literacy and Numeracy Activities Workbook



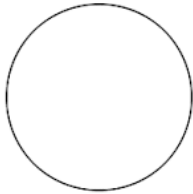
FSKNUM016 Interpret, draw and construct 2D and 3D shapes for work

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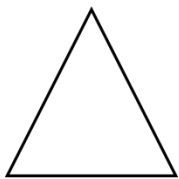
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Activity 1 2D shapes

Look at the following 2 dimensional (2D) shapes and write their name next to them:



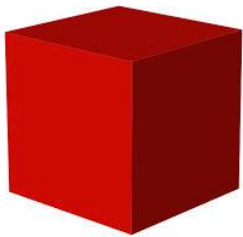




Activity 2 3D shapes

Now look at the same shapes but in 3D and write their name:







Activity 3 Look around you

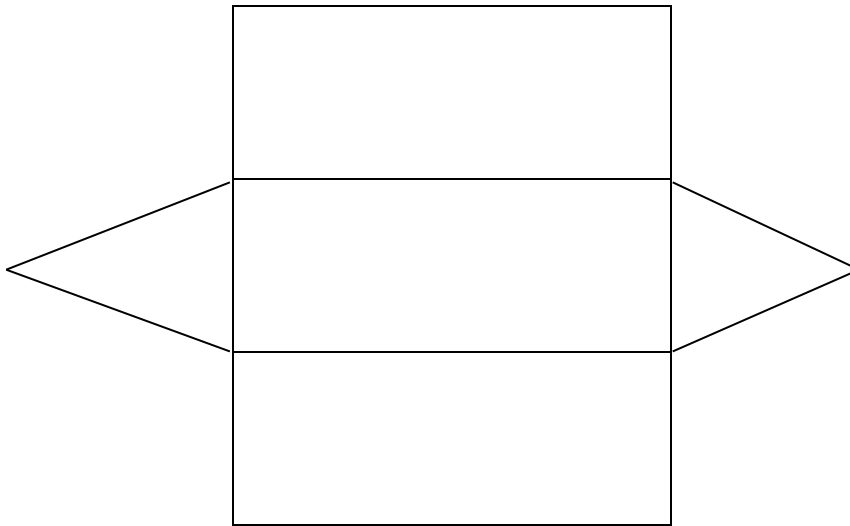
Look around the office or environment where you are now. There are many different shapes. Some objects are made up of different shapes. Let's name the different shapes that make up the following objects.

	<p>Office desk Rectangle on top with four points at 90 degree angles each Two rectangles – one at each end of the desk – four points at 90 degree angles each One rectangle – supporting desk with four points at 90 degree angles each</p>
	
	

Activity 4 Camping?

You work as a youth leader and preparing for a camping trip.

You want to explain to the children how to erect a tent. Look at the following diagram and then with a piece of paper, construct your own shape.

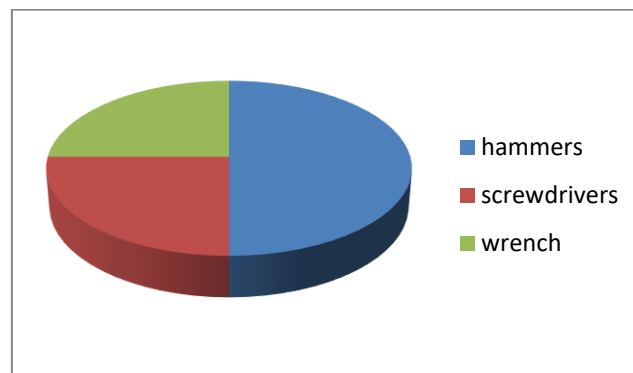
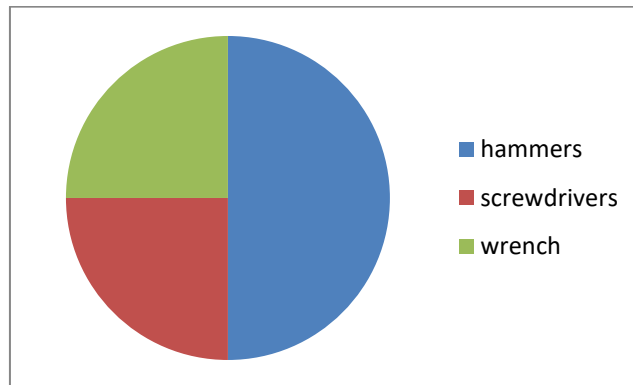


Looking at the above diagram, what angles are there at each point?

What angles are there within the rectangles?

Activity 5 2D and 3D

The following two pie charts were presented at the staff meeting held at the local fruit farm where you work.



What is the major difference between the two pie charts?

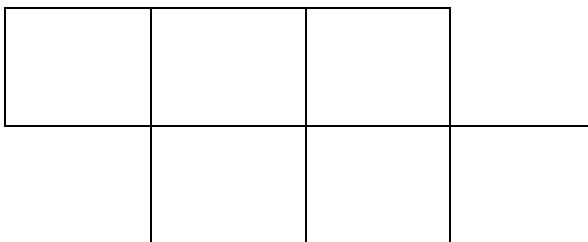
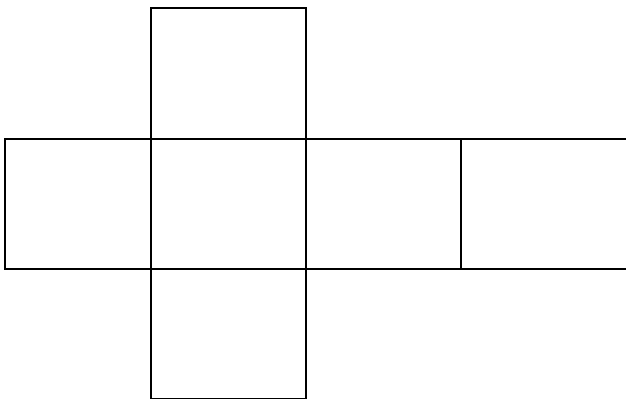
At what angle is the blue representative of the circle?

At what angle is the red representative of the circle?

Activity 6 A net?

A net is a two dimensional shape, that when folded, encloses a three dimensional object.

Both of these nets have six faces, like a cube. Will both nets form a cube?



Cut these shapes from a piece of paper and attempt to make a cube – write your answer here as to whether the shapes worked:

(a) _____

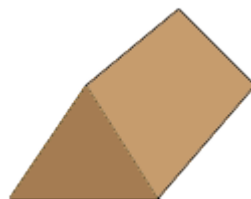
(b) _____

Activity 7 Let's draw

In the space below, draw a net for a 'hockey puck'.



Now, draw a net for a chocolate bar:





Foundation Skills

Assessment Tasks



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Instructions to Candidate



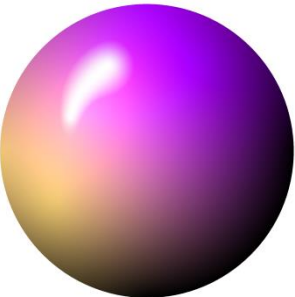
- Each task needs to be completed independently

Reading & Numeracy

Task 1: What shape is that?

Shapes are everywhere. We see them every day without even realising it. What shape is a telegraph pole that carries electricity to our homes? It is a cylinder and has two circles – one at the top and one at the bottom which is dug into the earth so we can't see it.

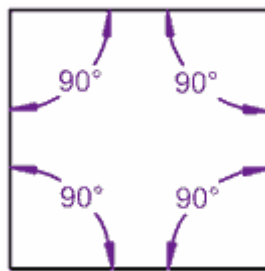
Have a look at the following objects and identify the 3D and the 2D shapes and how these shapes may be used in our everyday life – that is the use and application of them in the workplace.

Object	3D shape	2D shapes	Use and application
			
			
			


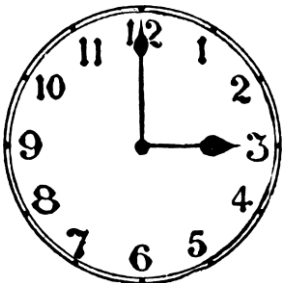
Numeracy

Task 2: What's the angle?

The following are different 'angles' that are used for different purposes.



We know that a right angle is 90° (degrees) – have a look at the following angles and write the answers:

 <p>Corners of an envelope</p>	
 <p>Outside edge of the clock</p>	

Final Recording Form

Candidate name:.....

Trainer/Assessor:.....

Course: Foundation Skills

Code	Foundation Skill – ACSF Level 3	Completed	Date
FSKNUM016 Interpret, draw and construct 2D and 3D shapes for work	Reading & Numeracy	Task 1	
	Numeracy	Task 2	
	Numeracy	Task 3	
	Numeracy	Task 4	

Student is Satisfactory Not Yet Satisfactory

Signed: (Candidate) Date:.....

Signed:..... (Assessor) Date:.....