

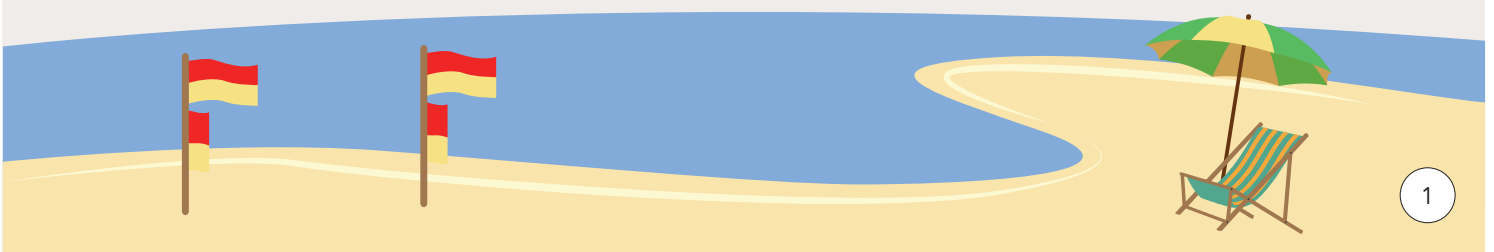


Maths

Mission Manoeuvres

Time recommended: 1 hour
Year 3 and 4

Strand:	Measurement and Geometry
Descriptor:	Geometric Reasoning, Location and Transformation
Identify angles as measures of turn and compare angle sizes in everyday situations (ACMMG064)	
Create and interpret simple grid maps to show positions and pathways (ACMMG065)	



Name: _____



Mission Manoeuvres

Measure the angles and distances in each example.

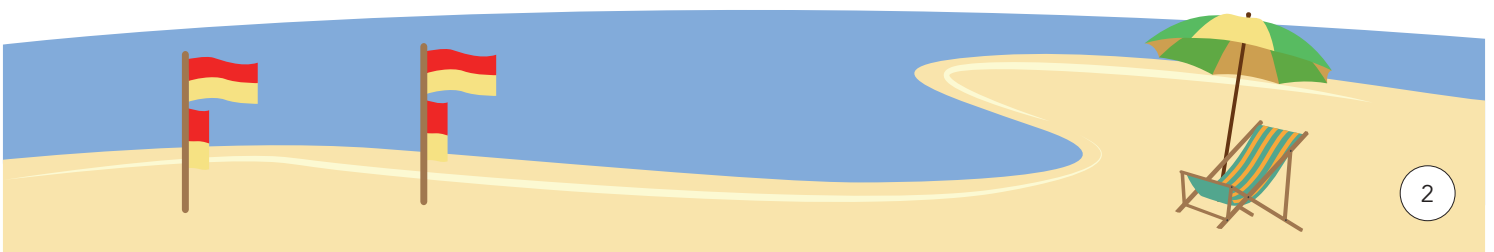
TASK ONE:

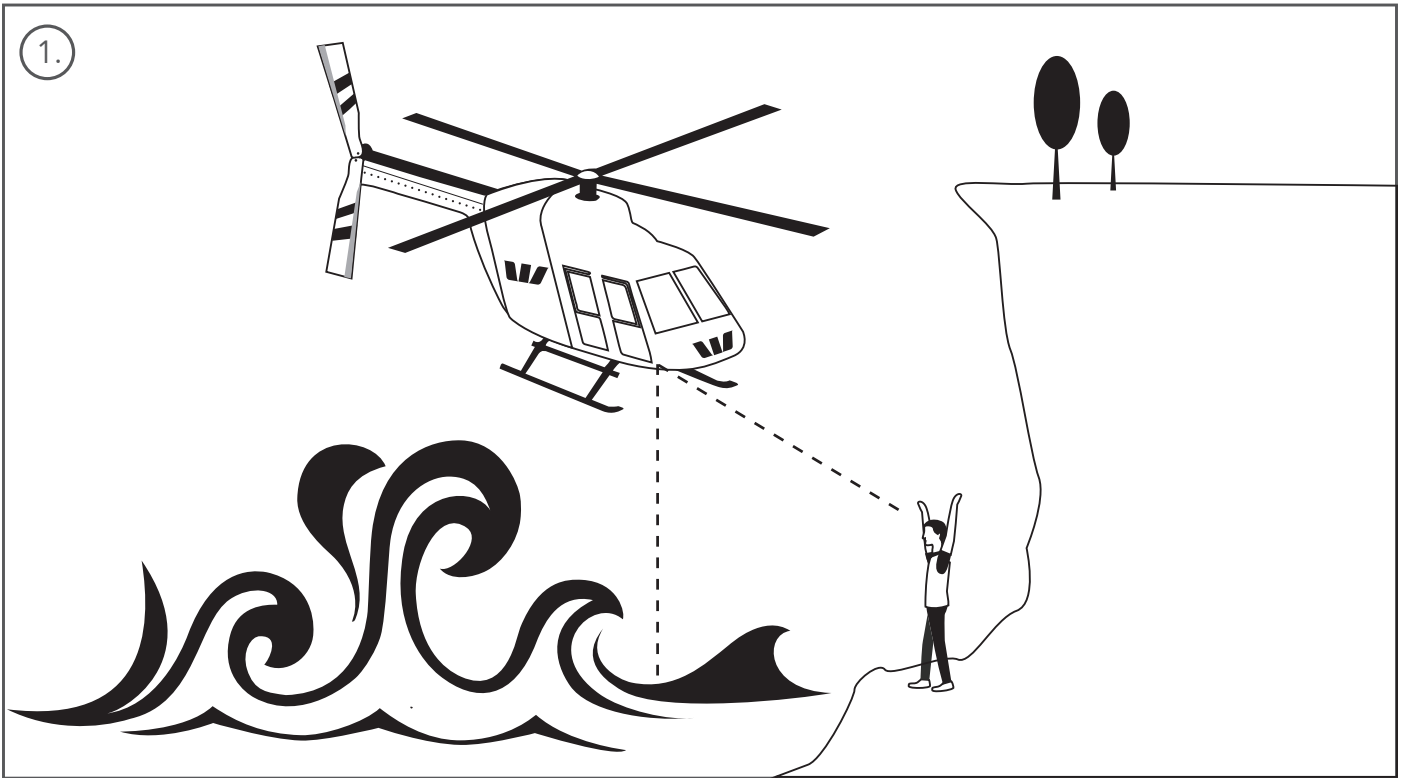
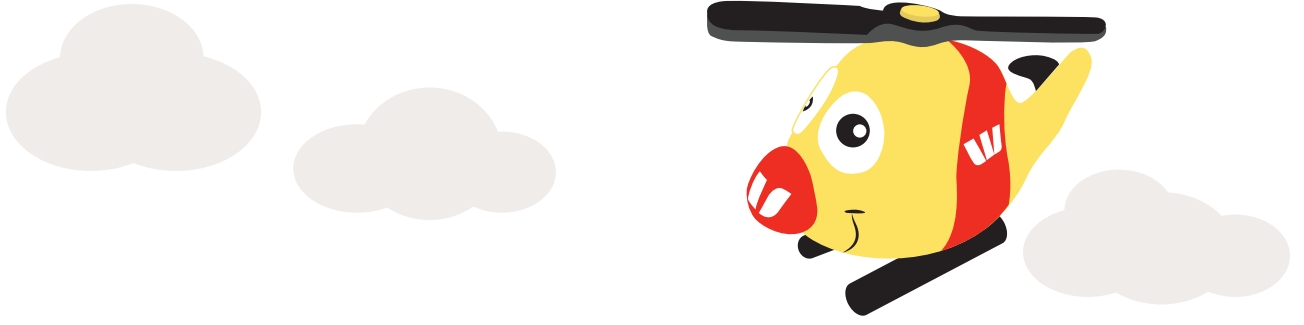
In each of the five examples pictured below, the Westpac Lifesaver Rescue Helicopter is trying to save a patient.

In each of the examples, measure the angle marked using a protractor.

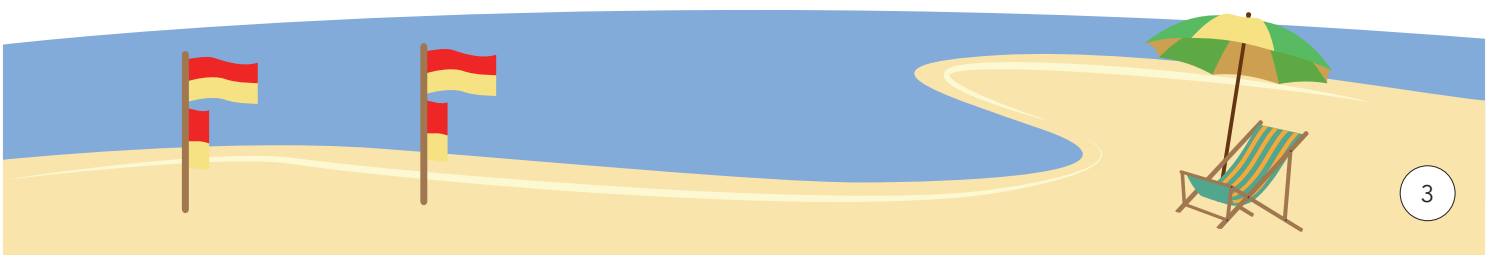
For each picture

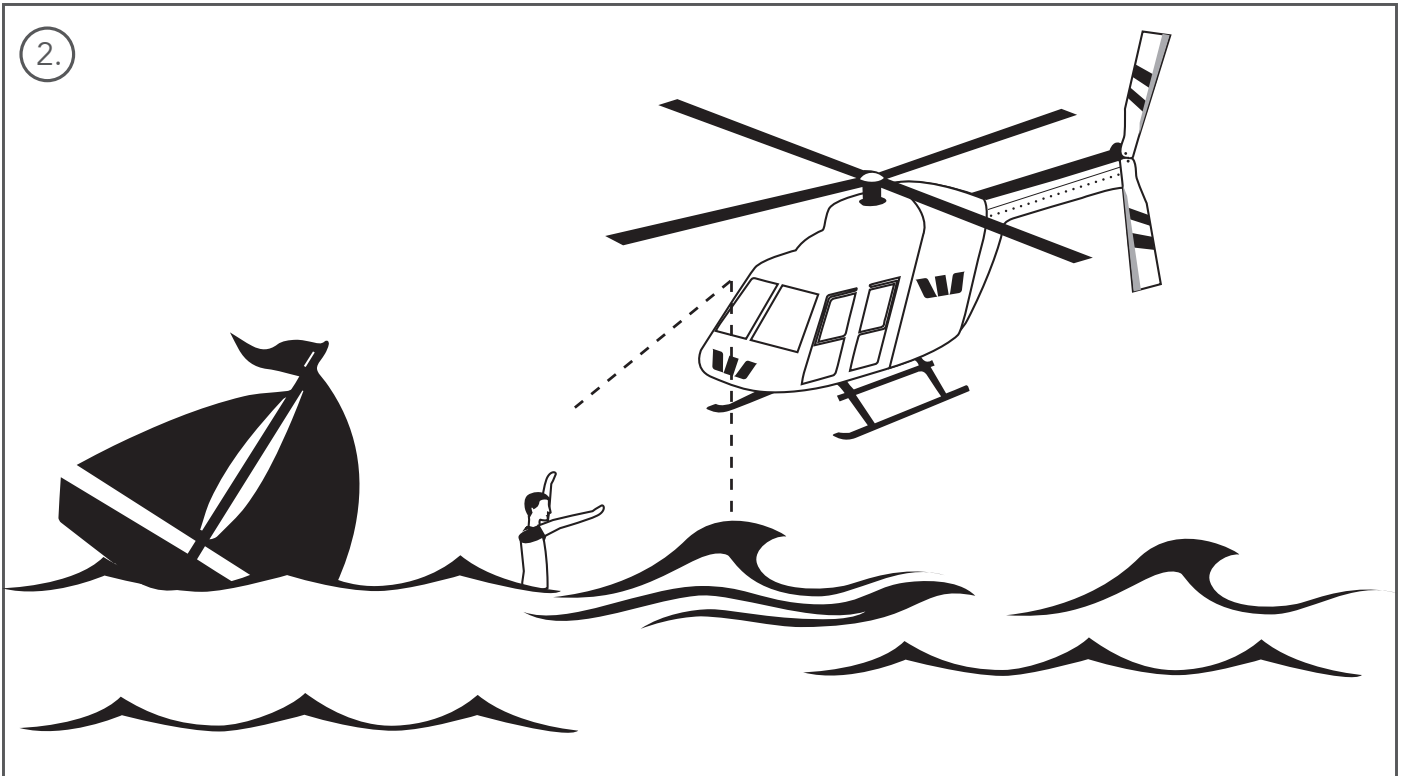
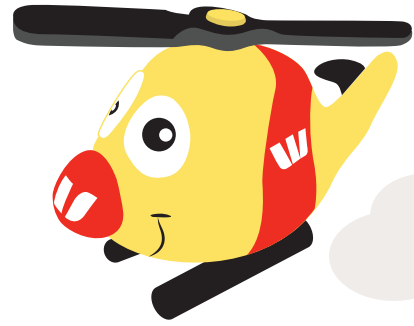
What is the angle between the helicopter and the patient in each example?



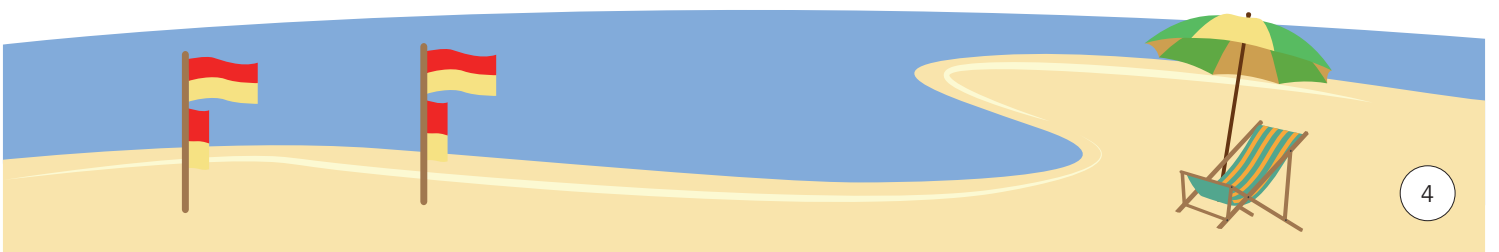


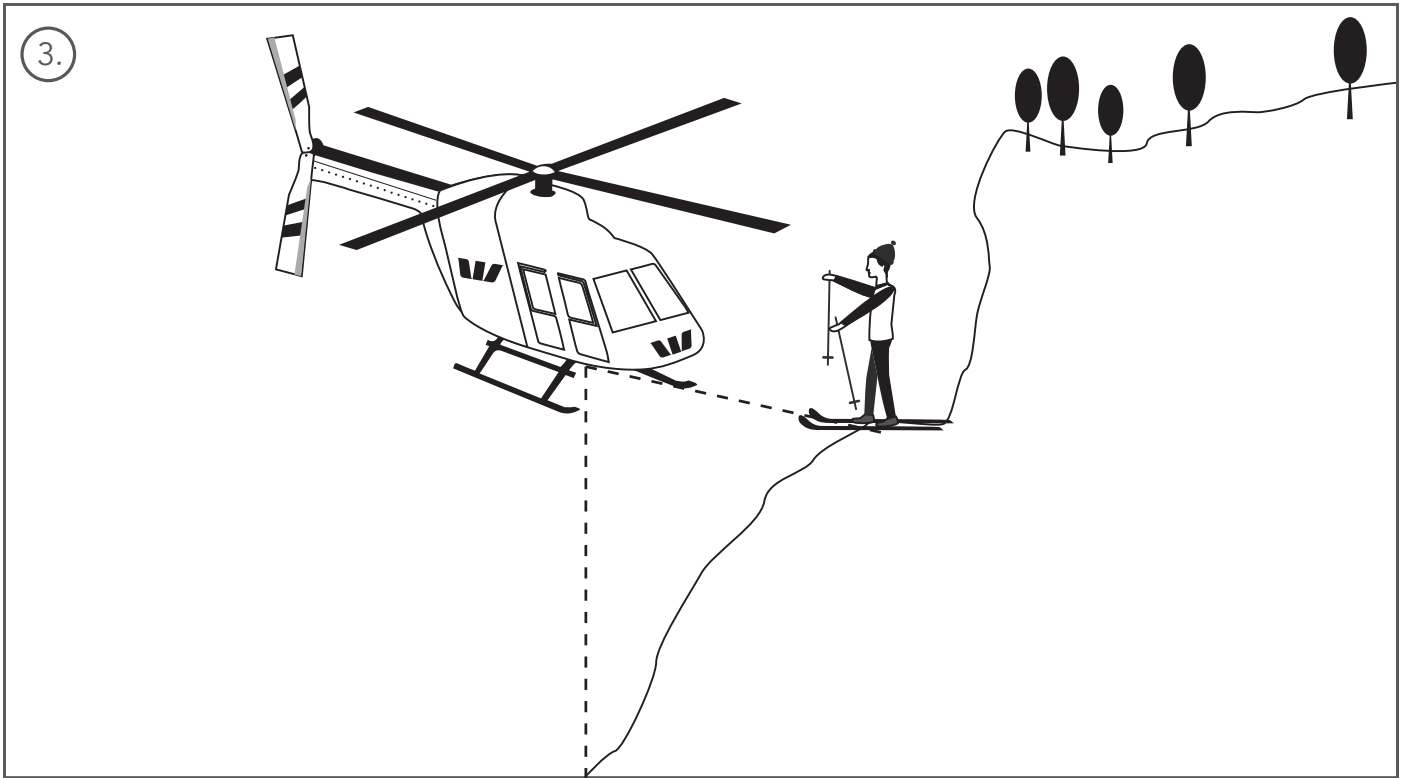
1. Wave _____ °



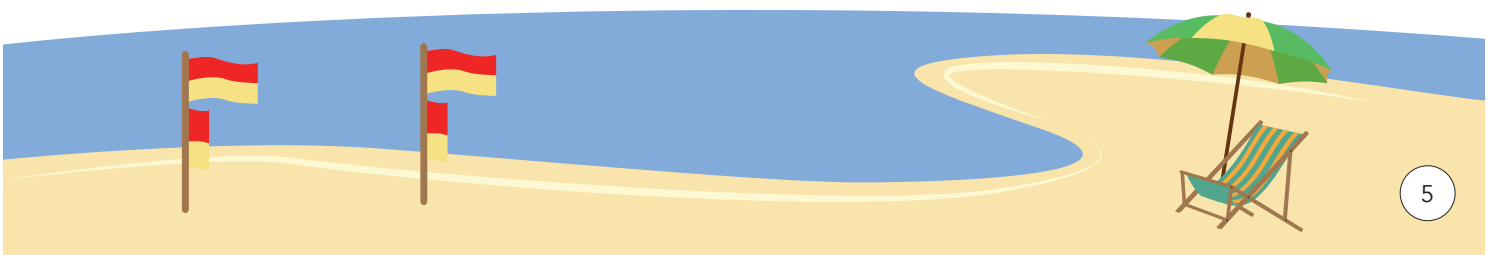


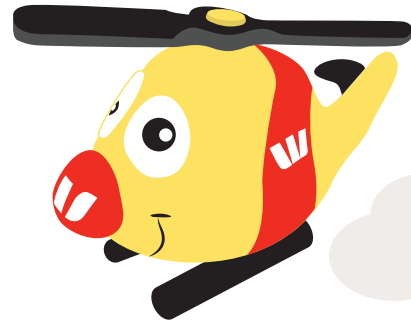
2. Submerged _____°



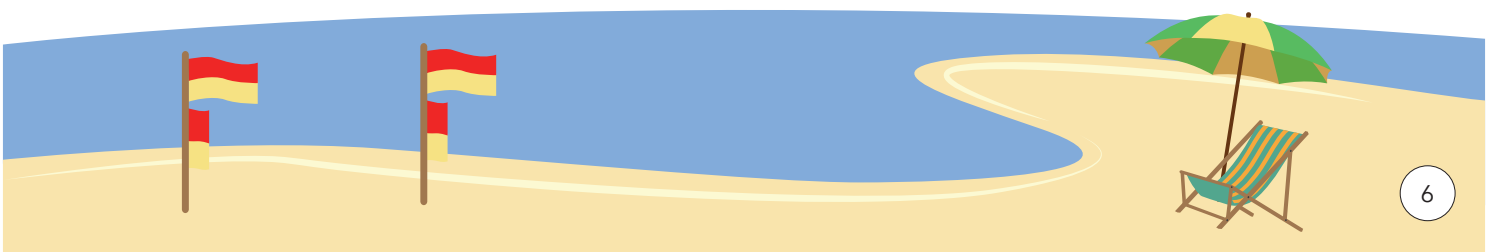


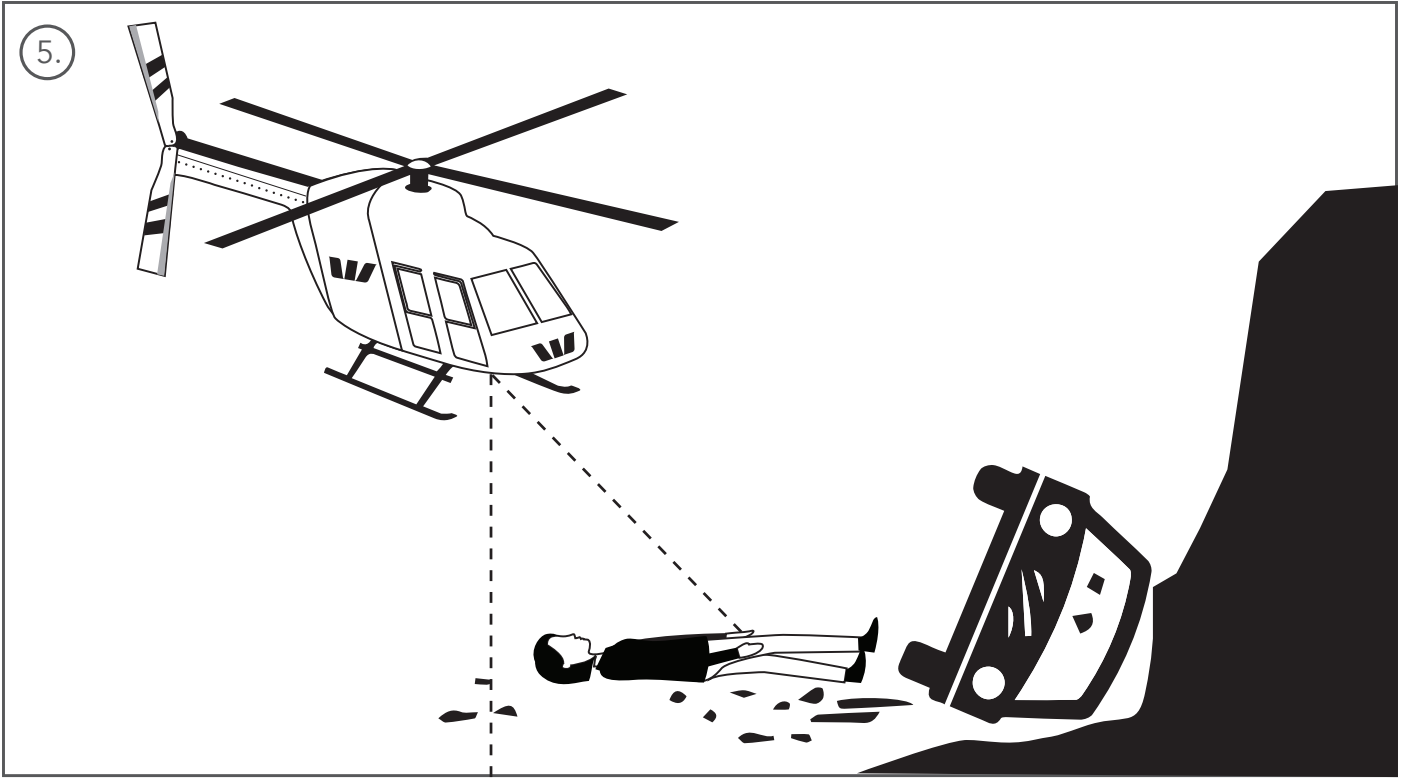
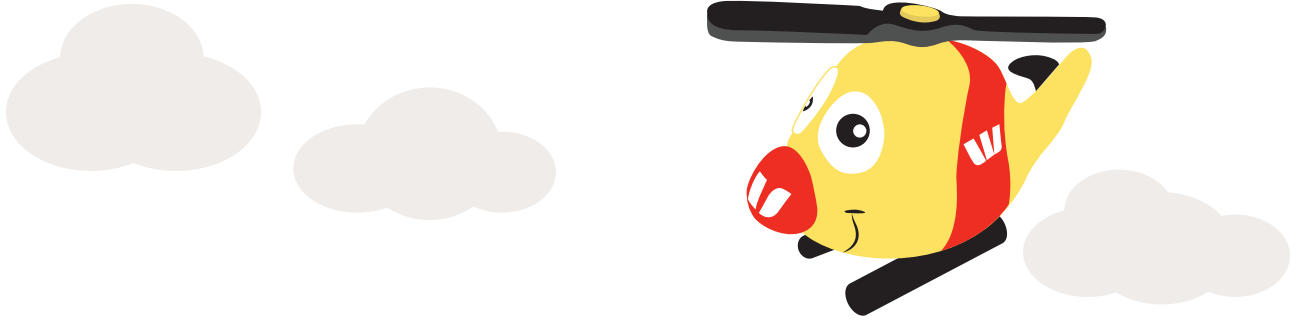
3. Skier _____°



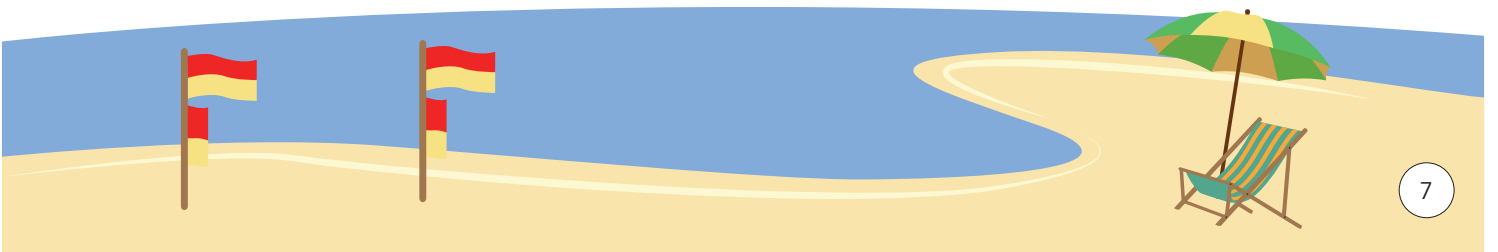


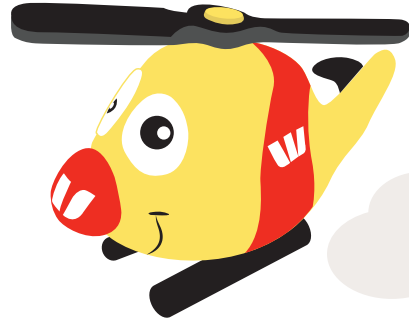
4. Patient winched _____ °





5. Cliff _____ °





TASK TWO:

On each scenario, draw a grid across the picture at 1cm intervals. Answer the second question below each picture to figure out the required distances using the grid.

1. If 1cm is 1m, how high is the biggest wave in the picture?
2. If 1cm is 1m, how much of the boat isn't submerged?
3. If 1cm is 50m, how high is the mountain that the skier is on?
4. If 1cm is 10m, how many meters does the patient have to be winched from the roof into the helicopter?
5. If 1 cm is 50m, how tall is the cliff?

