

Level: 5

Strand: Measurement

Substrand: Estimate

Reasonable or not reasonable

How high is Mount Everest? 1 km 5 km 10km 20km 50km 1000km

How much does a dolphin weigh 10kg 50kg 100kg 200kg or more?

Sometimes you are told pieces of information and have to make decisions about it. The price of a car, the length of a journey or the weight of a gift. You have to determine if it is reasonable or not.

Are the following statements reasonable?

- Everyone in Mandurah supports Peel Thunder.
- Is it reasonable to be paid 1cent a second?
- Is a normal door 3 metres high?
- Would a child's slide be at an angle of 60°?
- If the clearance under a bridge were 2m would a Ford Falcon pass safely underneath?
- Would a can of coke weigh 100 grams?

Are the following reasonable? If they are not write down a better estimate.

- The distance from school to your house is 40 000 metres.
- The weight of a car is 1 tonne.
- Sydney is 10 000km away.
- The classroom would need 20 m² of carpet to cover it.
- Your desk is 1m high.
- An ice cream container would hold only 100ml of liquid.
- My house is on a block of land 910m².

Make up 10 of your own statements, which are reasonable, and 10 that are not.

Under Estimate or Over Estimate.

Should you under or over estimate the following things? State why

The number of party guests.

The height of a doorway.

The time it will take to get to school.

The depth of water in a diving pool.

The amount of paint needed to cover a wall.

Why are estimates helpful?

When would you use estimates?

Reflection

What did you do well in this activity?

What could have you improved?

What new things have you learnt?