

Information



Budget Cable
Holds up to 300kg



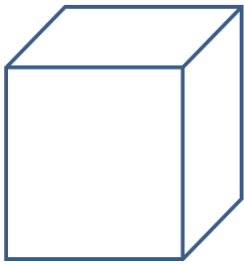
Bronze Cable
Holds up to 500kg



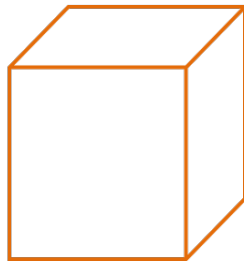
Silver Cable
Holds up to 800kg



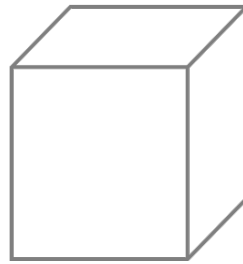
Gold Cable
Holds up to 1.2 tonnes



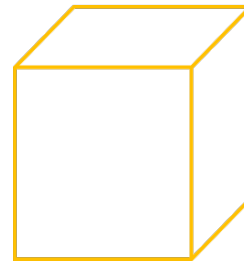
The Budget Box
60kg weight
No frills



Bronze Box
100kg weight
With voice and mirrors



Silver Box
150kg weight
Glass frontage



Gold Box
225kg weight
Glass frontage
Leather interior

Country ↕	Average male weight ↕	Average female weight ↕	Average Human Weight
Brazil	72.7 kg (160.3 lb)	62.5 kg (137.8 lb)	
Canada	80.3 kg (177 lb)		
Chile	77.3 kg (170.4 lb)	67.5 kg (148.8 lb)	
Finland	82.1 kg (181 lb)		
Germany	82.4 kg (181.7 lb)	67.5 kg (148.8 lb)	
South Korea	68.6 kg (151.2 lb)	56.5 kg (124.6 lb)	
Sweden	81.9 kg (180.6 lb)	66.7 kg (147.0 lb)	
UK – Wales	84.0 kg (185.2 lb)	69.0 kg (152.1 lb)	
United States	88.3 kg (194.7 lb)	74.7 kg (164.7 lb)	

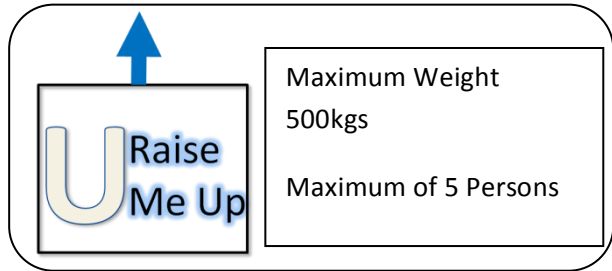
Question Sheet

To complete this activity, you need to finish the table on average weights. For Canada and Finland, there are no average female weights on record.

How could you use the information you know to estimate these values?

Now fill in the table.

Here are some orders for lifts, using the data you have, write an equality for the amount of people (p) that can fit into a lift in that particular country. Finally, calculate p and create a sign similar to the one here for each lift



Lift Order One

A company in USA orders a lift with silver cable and a bronze box

Inequality:

Solved:

Lift Sign:

Lift Order Two

A company in Brazil orders a lift with budget cable and a bronze box

Inequality:

Solved:

Lift Sign:

Lift Order Three

A company in South Korea orders a lift with gold cable and a silver box

Inequality:

Solved:

Lift Sign:

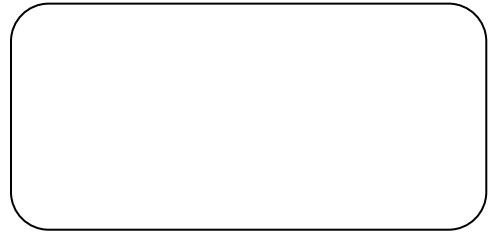
Lift Order Four

A company in Finland orders a lift with bronze cable and a budget box

Inequality:

Solved:

Lift Sign:

**Lift Order Five**

A company in Chile orders a lift with gold cable and a silver box

Inequality:

Solved:

Lift Sign:

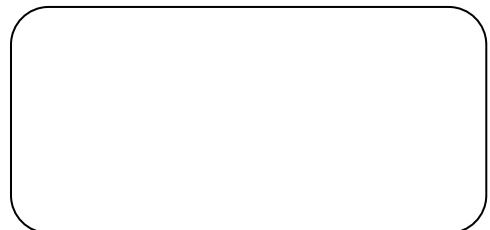
**Lift Order Six**

A company in Sweden orders a lift with silver cable and a gold box

Inequality:

Solved:

Lift Sign:

**Lift Order Seven**

A company in UK orders a lift with budget cable and a silver box

Inequality:

Solved:

Lift Sign:

**Extension**

You are on holiday (in one of the countries listed above), and you are alone in a lift, when seven people pile into the lift. You take a look at the weight guidance and all you can make out is the limit is 600kg. Which countries should you make a run for the exit?