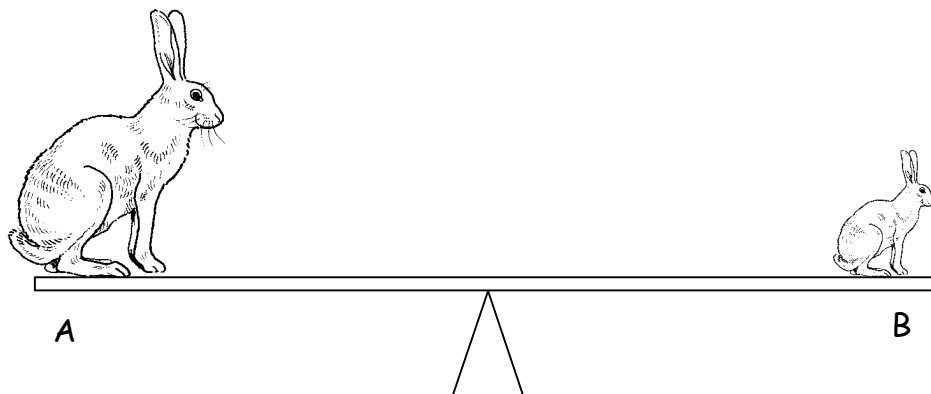


Name _____ Class _____

1



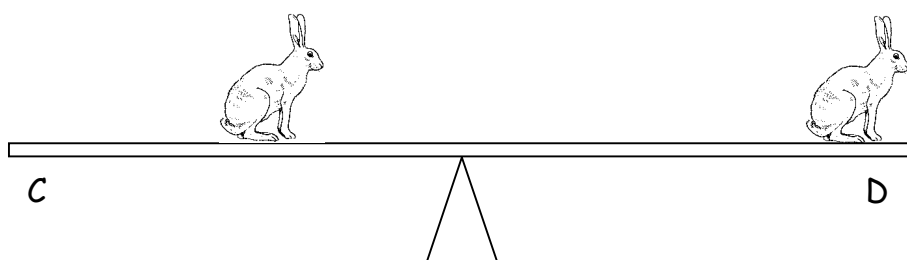
a Which side of the see-saw will go down? _____ [1 mark]

b Explain your answer to part a. _____

_____ [1 mark]

c On which side do you push down to keep the see-saw level?

_____ [1 mark]



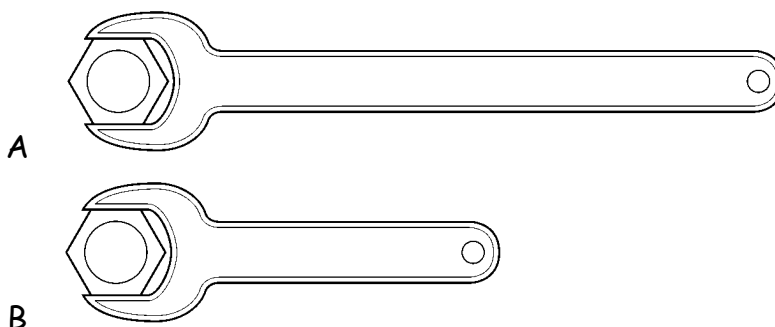
d Which side of this see-saw will go down? _____ [1 mark]

e Explain your answer to part d. _____

_____ [1 mark]

- 2 Complete the sentences using words from the box.

You do not need to use all the words.



bigger longer shorter smaller

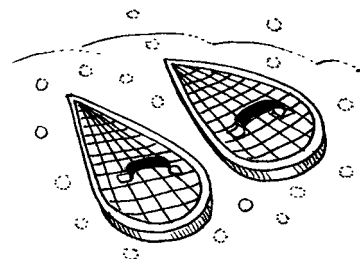
You would use spanner A to undo a tight nut.

Spanner A has a _____ handle, so you could put a _____ turning force on the nut.

[2 marks]

- 3 Which sentences are correct? Tick **three** boxes.

- Snowshoes stop you sinking in snow.
- Snowshoes have a large area to increase the pressure under them.
- Snowshoes have a large area to reduce the pressure under them.
- Snowshoes have a small area to reduce the pressure under them.
- It is easier to cut things with a blunt knife than a sharp knife.
- A sharp knife has a small area on its cutting edge to increase the pressure.
- A sharp knife has a large area on its cutting edge to increase the pressure.



[3 marks]

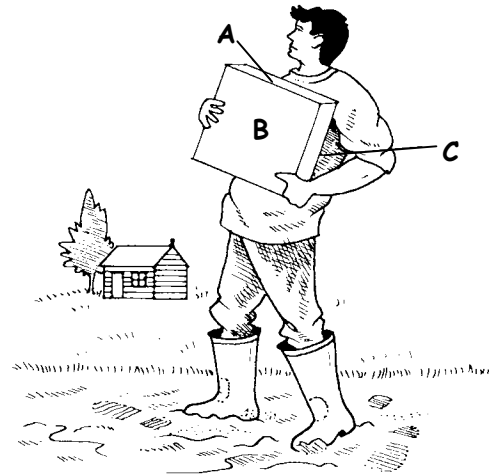
4 Mr. Smith needs to put the paving stone down. He does not want it to sink into the mud.

a Which side of the stone should he put on the ground? _____

[1 mark]

b Explain your answer to part a.

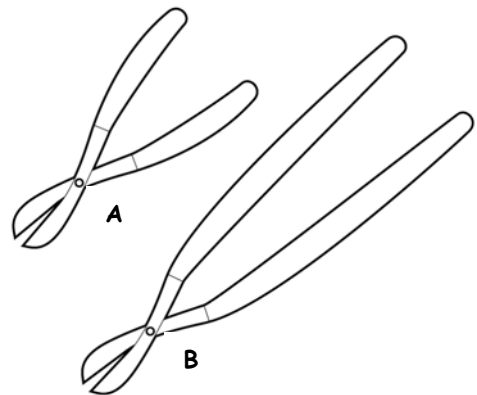
_____ [1 mark]



5 a On drawing A label the pivot.

[1 mark]

b Wire cutters can cut through thin pieces of wire.
Bolt cutters can cut through much thicker pieces of metal.
Is tool B a pair of bolt cutters, or a pair of wire cutters?



_____ [1 mark]

Explain your answer. _____

_____ [1 mark]