Worksheet 1- 9Id Turning Forces

Question 1:

On each of the pictures below, label the load, the pivot and the effort.

A
PAINT

B
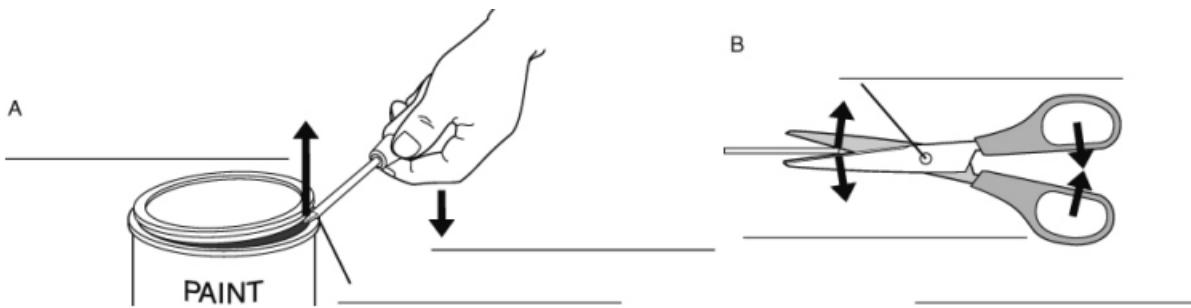
Question 2:

Jane is trying to change the wheel on her car. She cannot undo the nut with the spanner she has. **Explain** whether she should she use a **longer** or a **shorter** spanner to undo the nut?

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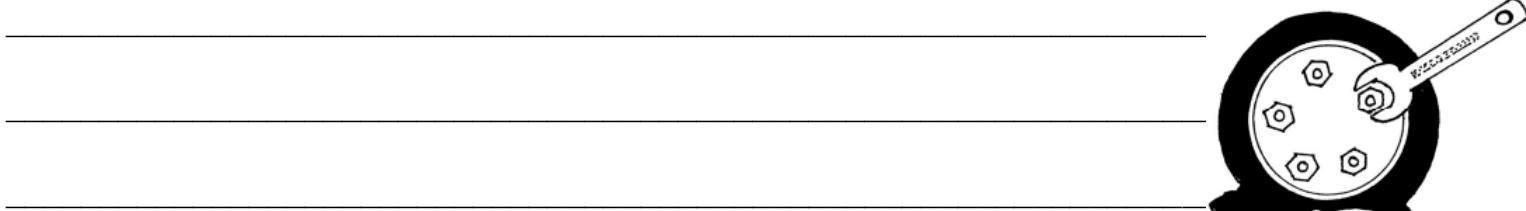
Question 3:

Calculate the moment for each of the following forces?

a.

1.5 m

400 N

b.

1.2 m

300 N
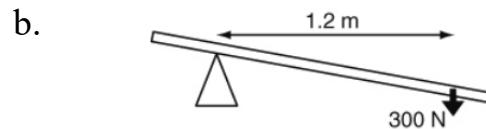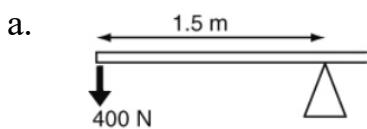
Question 4:

Explain which lever, **X** or **Y**, should be used to lift the car.

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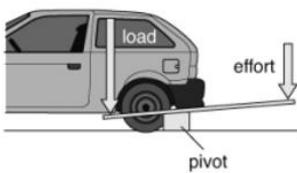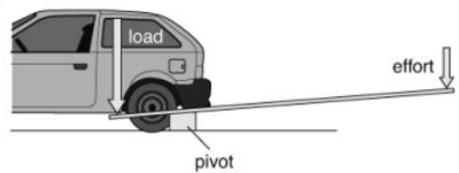
Question 5:

Calculate the moment of each force using the diagram below and determine whether the seesaw will be in equilibrium.
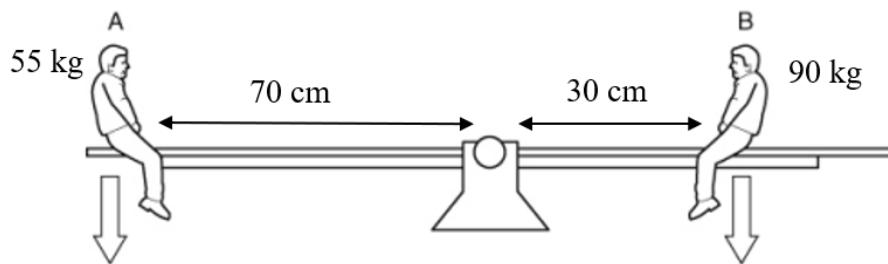
Teachers: Zeina Abu Manneh
Abdallah Ramadan