

Name: \_\_\_\_\_



## Using force arrows

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1 Forces (pushes and pulls) cannot be seen. So how do we represent forces in diagrams?

Tick **1** correct answer

We do not draw anything to represent forces.

Forces are represented using circles.

Forces are represented using arrows.

Forces are represented using crosses.

2 \_\_\_\_\_ arrows are used to represent forces in diagrams. Fill in the blank

3 What is needed to draw straight lines of a set length? Tick **1** correct answer

pencil and ruler

protractor and ruler

pencil and protractor

ink pen and ruler

pencil

4 If a 5 N force was drawn 5 cm long, how would you draw a 10 N force? Tick **1** correct answer

1 cm long

5 cm long

10 cm long

15 cm long

10 m long



5 What direction do you think arrows used to represent forces should be drawn? Tick **1** correct answer

- pointing up
- pointing down
- pointing in the direction the force acts
- pointing in the opposite direction to the direction the force acts
- pointing to the object the force acts on

6 What direction do gravitational forces act? Tick **1** correct answer

- vertically upwards in a diagram
- vertically downwards in a diagram
- towards the centre of Earth
- towards the surface of Earth

