

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



## Reducing friction: practical

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1 A lubricant is a substance added to a surface to reduce the ... Fill in the blank

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2 What is an anomalous result? Tick **1** correct answer

- A result that just feels wrong.
- A result that doesn't fit with other results.
- A result that is very similar to other results.

3 A scientist slides a mass across a desk three times, in the same way each time. The distances travelled by the mass were 20, 24 and 25 cm. Calculate the mean result. Mean result = \_\_\_\_\_ cm. Fill in the blank

4 A scientist slides a mass across a desk four times, in the same way each time, to check for mistakes. The distances travelled by the mass were 22, 19, 23, and 46 cm. Which result is anomalous? Tick **1** correct answer

- 22 cm
- 19 cm
- 23 cm
- 46 cm

5 Which is the correct reason why, in a fair test, the only thing we change is the variable we are testing, and everything we are not testing has to be kept the same? Tick **1** correct answer

- So we can do repeat results.
- So we can identify anomalous results.
- So we can be sure that different results are caused by the one thing we changed.



- 6 A scientist slides a mass across a desk four times, in the same way each time. The distances travelled by the mass were 70, 73, 34 and 69 cm. Calculate the mean result. Mean result = \_\_\_\_\_ cm. Fill in the blank

