

Science - Physics - Key Stage 3
Light and Space

Lesson 11 - Gravity

Miss Hindle



Quick recap.....

1. What unit is used to measure force?
N.....
2. What unit is used to measure mass?
K.....
3. What is the difference between mass and weight?
4. What is a non-contact force?



A trip around our solar system...

Rocket taking off...

Force of gravity =

Explanation =



A trip around our solar system...

Rocket 10 minutes after take off...

Force of gravity =

Explanation =



A trip around our solar system...

Rocket in orbit around the Earth

Force of gravity =

Explanation =



A trip around our solar system...

Landing on the moon

Force of gravity =

Explanation =



A trip around our solar system...

Landing on Mars

Force of gravity =

Explanation =



A trip around our solar system...

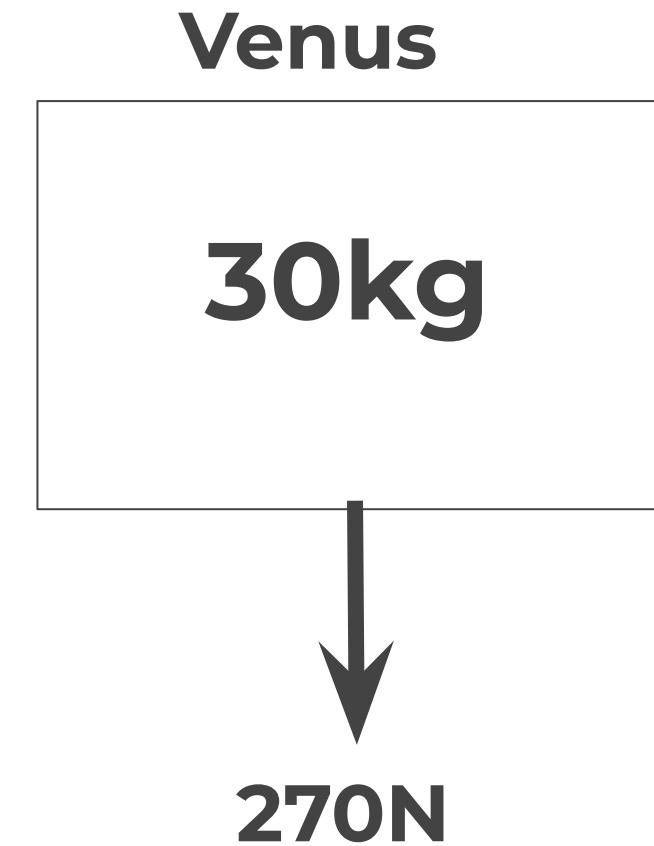
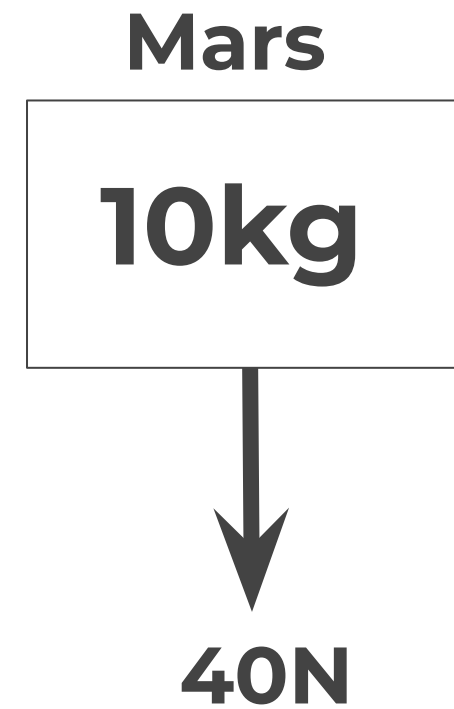
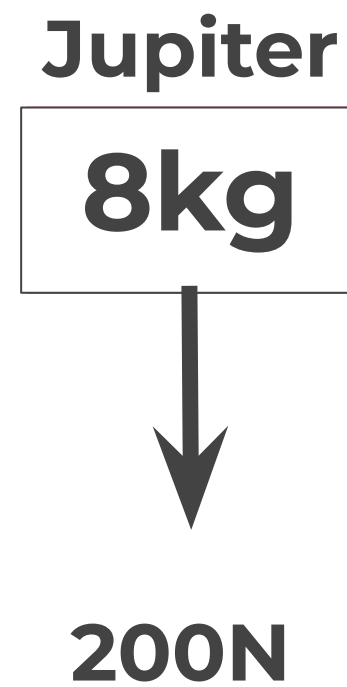
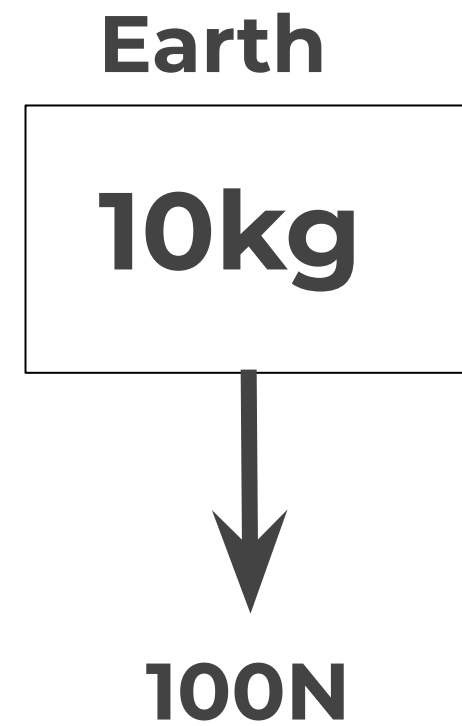
Close to Jupiter

Force of gravity =

Explanation =



Exam Style Question...



1. On which planet is the largest mass?
2. Is there more gravity on Earth or Mars?
3. How do you know?
4. Which planet do you think has the most gravity and why?

