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SPACE Maths Word Problems – Lower Key Stage 2 – Year 3

- 1. A spaceship travels 245 km on its first day and 138 km on its second day. How many kilometres did the spaceship travel in total?
- 2. An astronaut had 500 grams of space food at the start of the day. By lunchtime, he had eaten 275 grams. How much space food does he have left?
- 3. There are 4 astronauts on a mission. Each astronaut drinks 3 cups of water per day. How many cups of water do they drink in total each day?
- 4. A spaceship has 24 seats. If each row has 6 seats, how many rows of seats are there?
- 5. A satellite's battery is ½ full. If the full battery capacity is 90 hours, how many hours of battery life are left?
- 6. A space rover is 3 metres long, and a smaller rover is 1 metre shorter. How long is the smaller rover?
- 7. It takes 5 minutes for a rocket to launch and 10 minutes to reach space. How long does it take in total for the rocket to launch and reach space?
- 8. A space station has a rectangular solar panel with sides of 5 metres and 3 metres. What is the shape of the solar panel?
- 9. An astronaut buys 3 space toys. Each toy costs £4. How much does the astronaut spend in total?
- 10. A square space garden on a space station has sides that are 6 metres long. What is the perimeter of the space garden?

SPACE Maths Word Problems – Lower Key Stage 2 – Year 3

MARK SCHEME

1. A spaceship travels 245 km on its first day and 138 km on its second day. How many kilometres did the spaceship travel in total?

245 + 138 = 383km.

2. An astronaut had 500 grams of space food at the start of the day. By lunchtime, he had eaten 275 grams. How much space food does he have left?

500 - 275 = 225 grams left.

3. There are 4 astronauts on a mission. Each astronaut drinks 3 cups of water per day. How many cups of water do they drink in total each day?

 $4 \times 3 = 12$ cups of water.

4. A spaceship has 24 seats. If each row has 6 seats, how many rows of seats are there?

 $24 \div 6 = 4 \text{ rows}.$

5. A satellite's battery is $\frac{1}{3}$ full. If the full battery capacity is 90 hours, how many hours of battery life are left? $\frac{1}{3} \times 90 = 30$ hours of battery life left.

6. A space rover is 3 metres long, and a smaller rover is 1 metre shorter. How long is the smaller rover?

3 - 1 = 2 metres.

7. It takes 5 minutes for a rocket to launch and 10 minutes to reach space. How long does it take in total for the rocket to launch and reach space?

5 + 10 = 15 minutes.

- 8. A space station has a rectangular solar panel with sides of 5 metres and 3 metres. What is the shape of the solar panel? The shape is a rectangle.
- 9. An astronaut buys 3 space toys. Each toy costs £4. How much does the astronaut spend in total? $3 \times 4 = 12$ pounds.
- 10. A square space garden on a space station has sides that are 6 metres long. What is the perimeter of the space garden?

 Perimeter = 4 × 6 = 24 metres.