SPACE Maths Word Problems – Key Stage 1 – Year 2

1. A rocket has 15 astronauts on board, and another 12 astronauts join from a different spaceship. How many astronauts are on board now?

2. There are 20 stars in the night sky. If 7 of them disappear behind clouds, how many stars can you still see?

3. A space rover has 4 wheels. How many wheels would 5 space rovers have in total?

4. There are 12 moon rocks. If 4 astronauts share the rocks equally, how many rocks will each astronaut get?

5. A spaceship has 8 windows. If ½ of the windows are open, how many windows are open?

6. An astronaut measures the length of a space station hallway. It is 20 metres long. If the astronaut walks 8 metres, how many metres are left to walk?

7. A rocket takes 3 minutes to launch into space. If the astronauts start the countdown 2 minutes before, how many minutes in total does the whole process take?

8. An astronaut buys 2 space books. Each book costs £5. How much do the two books cost together?

9. There are 3 planets, and each planet has 6 moons. How many moons are there altogether?

10. The space station has 4 square-shaped rooms. Each room has 4 equal sides. How many sides do all 4 rooms have in total?

SPACE Maths Word Problems – Key Stage 1 – Year 2

MARK SCHEME

1. A rocket has 15 astronauts on board, and another 12 astronauts join from a different spaceship. How many astronauts are on board now?
   15 + 12 = 27 astronauts.

2. There are 20 stars in the night sky. If 7 of them disappear behind clouds, how many stars can you still see?
   20 – 7 = 13 stars.

3. A space rover has 4 wheels. How many wheels would 5 space rovers have in total?
   4 × 5 = 20 wheels.

4. There are 12 moon rocks. If 4 astronauts share the rocks equally, how many rocks will each astronaut get?
   12 ÷ 4 = 3 rocks per astronaut.

5. A spaceship has 8 windows. If ½ of the windows are open, how many windows are open?
   ½ × 8 = 4 windows open.

6. An astronaut measures the length of a space station hallway. It is 20 metres long. If the astronaut walks 8 metres, how many metres are left to walk?
   20 – 8 = 12 metres left to walk.

7. A rocket takes 3 minutes to launch into space. If the astronauts start the countdown 2 minutes before, how many minutes in total does the whole process take?
   2 + 3 = 5 minutes in total.

8. An astronaut buys 2 space books. Each book costs £5. How much do the two books cost together?
   2 × 5 =10 pounds.

9. There are 3 planets, and each planet has 6 moons. How many moons are there altogether?
   3 × 6 = 18 moons.

10.   The space station has 4 square-shaped rooms. Each room has 4 equal sides. How many sides do all 4 rooms have in total?
   4 × 4 = 16 sides.