

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 $\frac{1}{2}$ 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?
 $4 \times 5 = 20$ wheels.
4. There are 12 moon rocks. If 4 astronauts share the rocks equally, how many rocks will each astronaut get?
 $12 \div 4 = 3$ rocks per astronaut.
5. A spaceship has 8 windows. If $\frac{1}{2}$ of the windows are open, how many windows are open?
 $\frac{1}{2} \times 8 = 4$ 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?

$$2 \times 5 = 10 \text{ pounds.}$$

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

$$3 \times 6 = 18 \text{ moons.}$$

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?

$$4 \times 4 = 16 \text{ sides.}$$