



Space Unit

One topic. Three levels. The whole family learns together — each child at their own level.

Level 1 · Ages 5–6

Level 2 · Ages 8–9

Level 3 · Ages 11–12

Name: _____

Date: _____

Space Math — Counting & Adding

Count carefully and write your answer on the line. Take your time, little astronaut!

- 1 Count the rockets. How many are there?



- 2 Count the stars. How many are there?



- 3 $3 + 4 =$

- 4 $6 + 2 =$

- 5 $5 + 5 =$

- 6 $9 - 3 =$

- 7 $8 - 2 =$

- 8 4 astronauts are on the Moon. 3 more land. How many astronauts now?

Did you know? The Moon has no air, so footprints left by astronauts could stay there for millions of years!

Name: _____

Date: _____

Space Math — Multiply, Divide & Solve

Show your work where you need to, then write the final answer on the line.

1 $7 \times 4 =$

2 $45 + 38 =$

3 $124 + 89 =$

4 $96 \div 8 =$

5 $9 \times \underline{\quad} = 63$ ($\underline{\quad} = ?$)

6 A shuttle orbits Earth 6 times a day. How many orbits in 5 days?

7 $150 - 76 =$

8 A space station has 8 windows on each of its 5 sides. How many windows in all?

Did you know? A day on Venus is longer than its year — it spins so slowly that one rotation takes 243 Earth days!

Name: _____

Date: _____

Space Math — Problem Solving

Read each problem carefully. Show your working, then write your final answer on the line.

- 1 A probe travels 240 km in 3 hours. What is its average speed (km/h)?
.....
- 2 Solve for x: $3x + 5 = 26$
.....
- 3 A space station has 5 modules. Each module holds 24 people. What is the total capacity?
.....
- 4 Light travels 300,000 km every second. How far does it travel in 4 seconds?
.....
- 5 Oxygen and nitrogen tanks are in a ratio of 2 : 3. If there are 12 oxygen tanks, how many nitrogen tanks are there?
.....
- 6 A fuel tank is $\frac{3}{4}$ full. The rocket uses $\frac{1}{3}$ of that fuel. What fraction of the full tank remains?
.....
- 7 A mission lasts 156 days. Astronauts rotate every 12 days. How many rotations happen?
.....
- 8 A rocket weighs 2,000 kg. Fuel is 65% of the weight. How many kg is the fuel?
.....

Did you know? Neutron stars are so dense that a single teaspoon of one would weigh about a billion tons on Earth.

Answer Key

All three levels. Math generated and checked by logic — every answer is guaranteed correct.

Level 1 · Ages 5–6

1. 7 2. 5 3. 7 4. 8 5. 10 6. 6 7. 6 8. 7

Level 2 · Ages 8–9

1. 28 2. 83 3. 213 4. 12 5. 7 6. 30 7. 74 8. 40

Level 3 · Ages 11–12

1. 80 km/h 2. $x = 7$ 3. 120 people 4. 1,200,000 km 5. 18 tanks 6. $\frac{1}{2}$ 7. 13 rotations
8. 1,300 kg

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