

## Divide to Blast Off!

Daniel is imagining that he is at a rocket launch!

To put the astronauts into equal groups, you need to divide! You will help Daniel and the astronauts divide by finding the parts of a division sentence: the dividend, the divisor, and the quotient. The dividend will be the total number of astronauts. The divisor will be the number of rockets and the number of equal groups. The quotient will be the number of astronauts each rocket can carry. Let's get ready to divide to blast off!

Daniel sees 36 astronauts. There are 4 rockets. Each rocket can carry 9 astronauts. Can you help Daniel find the dividend, divisor, and quotient? Then the astronauts can blast off and complete their mission! Start with the dividend. It's 36! There are 36 astronauts in total. The dividend goes on the first line. What about the divisor? It's 4! There are 4 rockets that will carry equal groups of astronauts. The divisor goes on the second line. 9 is the quotient! There will be 9 astronauts on each rocket. The quotient goes on the last line. 36 divided by 4 equals 9. We helped the astronauts! 3, 2, 1...blast off!

Here are 36 astronauts. There are 9 rockets. Each rocket can carry 4 astronauts. These are the same numbers you used with the last group of astronauts! Can you help Daniel find the dividend, divisor, and quotient? 36 is still the dividend, because it is the total number of astronauts. Which number is the divisor?

9! There are now 9 rockets that will carry equal groups of astronauts. Which number is the quotient?

4! There will be 4 astronauts on each rocket. The 9 and 4 have switched places! 36 divided by 9 equals 4! 3, 2, 1...blast off!

Now Daniel sees 48 astronauts. There are 8 rockets. Each rocket can carry 6 astronauts. Can you help Daniel find the dividend, divisor, and quotient? Start with the dividend. Then find the divisor and the quotient!

48...8...6! There are 48 astronauts in total. There are 8 rockets that will carry equal groups of astronauts. There will be 6 astronauts on each rocket. 48 divided by 8 equals 6. The astronauts are ready for their mission! 3, 2, 1...blast off!

Here are 48 astronauts. There are 6 rockets. Each rocket can carry 8 astronauts. These are the same numbers you used with the last group of astronauts! Can you help Daniel find the dividend, divisor, and quotient? Start with the dividend. Then find the divisor and the quotient!

48...6...8! There are 48 astronauts in total. There are 6 rockets that will carry equal groups of astronauts. There will be 8 astronauts on each rocket. The 6 and 8 have switched places! 48 divided by 6 equals 8. 3, 2, 1...blast off!

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You did a great job dividing the astronauts by finding the parts of a division sentence! Daniel loved watching the astronauts blast off for their missions!

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