**Multiplying and Dividing Fractions**



1. I have a cake, which I would like to eat over two days. On day 1 and day 2 I will use exactly the same amount of cake. On day 1 I am feeding 8 people and on day 2, 6 people.
2. How much cake will my guests receive on day 1?
3. Then on day 2?
4. Write the two missing values to make these equivalent fractions correct

.

1. Each of these diagrams is divided into equal parts.

Some of the parts are shaded.



Write the letters of all the diagrams that have exactly **** shaded. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I have 10 friends round for tea. Each person eats $1/3$ of a pizza. How many pizzas would I need to buy so they all get 1/3 each?
2. The length of a day on Earth is 24 hours.

The length of a day on Mercury is 58 times the length of a day on Earth.

 What is the length of a day on Mercury, in **hours**?

