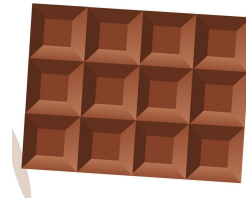# Fractions word problems

Read and answer each question:

1. Nancy has 20 sweets in a bag. She eats $\frac{1}{4}$ of them herself and shares the rest with friends. How many sweets will she give to her friends?

2. Nancy had a chocolate. She gave one-third to Rashi and half to Divyanshi. She ate the remaining part. How many pieces of chocolate did each get?

   Nancy gets _____pieces
   Rashi gets _____pieces
   Divyanshi gets _____pieces

3. In a school there are 300 students. $\frac{2}{3}$ of them are girls. How many boys are there in the school?

4. Aditya ate $\frac{1}{3}$ of pizza. His friends Avaneesh and Neeraj ate $\frac{1}{6}$ each. How many slices of pizza are left?

5. Which is greater? One-fourth of 20 toffees or two-third of 15 toffees.

6. A rocket has 3000 litres of fuel on lift-off. $\frac{2}{3}$ of fuel is consumed in 5 minutes. How much fuel is left after 5 minutes?

7. One-third of a number is 20. Find the number.

Answers

1. Nancy eats one-fourth of 20 = 5 sweets.
   Sweets left = 20 - 5 = 15.
   So she will give 15 sweets to her friends.

2. Total number of pieces = 12
   Rashi gets one-third of 12 = 4 pieces.
   Divyanshi gets half of 12 = 6 pieces.
   Nancy gets 12 - (6+4) = 2 pieces.

3. Total number of students = 300
   Number of girls = $\frac{2}{3}$ of 300 = 200 girls
   Number of boys = 300 - 200 = 100 boys.

4. Total number of slices = 6
   Aditya ate $\frac{1}{3}$ of 6 = 2 slices.
   Avaneesh ate $\frac{1}{6}$ of 6 = 1 slice.
   Neeraj ate $\frac{1}{6}$ of 6 = 1 slice.
   Number of slices left = 6 - (2+1+1) = 2 slices.

5. One-fourth of 20 = 5
   Two-third of 15 = 10.

6. Fuel consumed = $\frac{2}{3}$ of 3000 litres = 2000 litres
   Remaining fuel = 3000 - 2000 = 1000 litres.

7. 20 + 20 + 20 = 60
   One-third of 60 is 20