

Percents

$$p\% \text{ of } A = \frac{A \cdot p}{100}$$

№1. Calculate:

1. 8% of 400,
2. 42% of 75,
3. 9% of 24,
4. 140% of 60.

№2. The area of a field is 250 hectares. On the first day, the harvest was collected from an area that is 18% of the field. From what area (in hectares) was the harvest collected on the first day?

№3. Copper ore contains 8% copper. How many tonnes of copper are contained in 260 tonnes of such ore?

№4. Based on the information shown in Fig. 1, calculate how many kilograms of your body consist of:

1. solids,
2. fluids,
3. intracellular fluid,
4. extracellular fluid,
5. interstitial fluid,
6. plasma.

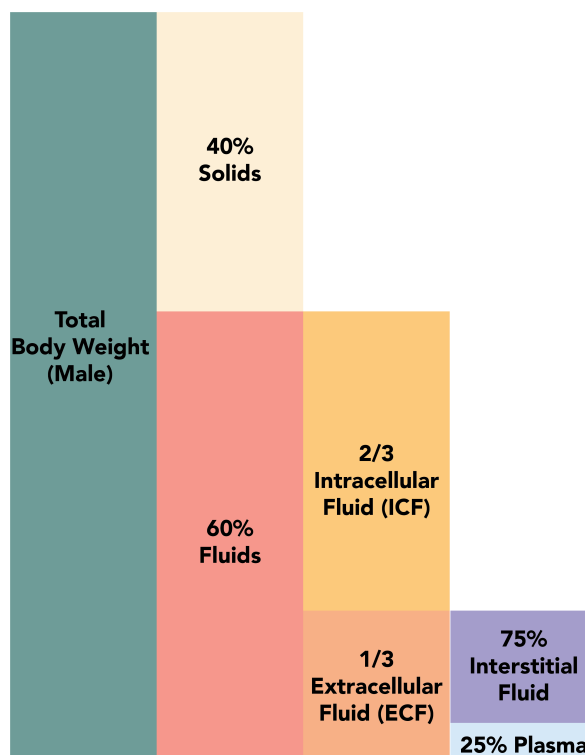


Рис. 1: [Wikipedia: Body water](#)

№5. A school library has 1800 books. Of these, 28% are popular-science books, and 24% are science fiction works. How many sci-fi books are there in the library?

№6. On the first day, the tourist walked 26 km, which is 65% of the planned route. How many kilometres did the tourist plan to walk?

№7. Seawater contains 6% salt. How much seawater is needed to obtain 48 kg of salt?

№8. During drying, apples lose 84% of their mass. How many kilograms of fresh apples are needed to obtain 12 kg of dried apples?

№9. Over the course of a month, a team of workers repaired 88.4 km of road, which is 4% more than the planned amount. How many kilometres of road were supposed to be repaired according to the plan?

№10. There are chestnut trees and maple trees growing in the park. Chestnut trees make up 38% of all the trees, and there are 72 more maple trees than chestnut trees. How many trees are there in the park in total?

№11. Маємо два сплави міді й цинку. Перший сплав містить 9% цинку, а другий – 30%. Скільки кілограмів кожного сплаву треба взяти, щоб отримати сплав масою 300 кг, який містить 23% грами цинку?