

Word Problems on Fraction Multiplication and Division

- 1 A wire of length $10\frac{1}{2}$ m is cut into 7 equal pieces. What is the length of each piece of the wire?
- 2 A rectangle is $12\frac{1}{2}$ m long and $\frac{4}{5}$ m wide. Find its area.
- 3 Lucy uses $\frac{8}{5}$ cups of sugar to make 24 brownies. How much sugar did she use to make one brownie?
- 4 There are 25 water bottles. Each bottle is $\frac{3}{5}$ th filled with water. If we empty all the bottles in a container, how many bottles can we fill with the same amount of water?
- 5 How can $\frac{6}{11}$ th of a cake be divided equally among 5 people?
- 6 If one sheet of paper is $\frac{3}{4}$ cm thick, how thick is a pad containing 80 sheets?

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Answers

- ① A wire of length $10\frac{1}{2}$ m is cut into 7 equal pieces. What is the length of each piece of the wire?

Ans: $1\frac{1}{2}$ m

- ② A rectangle is $12\frac{1}{2}$ m long and $\frac{4}{5}$ m wide. Find its area.

Ans: 10 m^2

- ③ Lucy uses $\frac{8}{5}$ cups of sugar to make 24 brownies. How much sugar did she use to make one brownie?

Ans: $\frac{1}{15}$ of a cup

- ④ There are 25 water bottles. Each bottle is $\frac{3}{5}$ th filled with water. If we empty all the bottles in a container, how many bottles can we fill with the same amount of water?

Ans: 15 bottles

- ⑤ How can $\frac{6}{11}$ th of a cake be divided equally among 5 people?

Ans: $\frac{6}{55}$ of the cake

- ⑥ If one sheet of paper is $\frac{3}{4}$ cm thick, how thick is a pad containing 80 sheets?

Ans: 60 cm