

Word Problems with Division of Fractions - Practice Worksheet

Name: _____ Date: _____

Instructions: Read each word problem carefully. Set up the division of fractions, apply keep-change-flip, multiply, and simplify your answer. Show all working.

1. A piece of rope is $\frac{3}{4}$ of a metre long. You cut it into pieces that are each $\frac{1}{4}$ of a metre. How many pieces do you get?

2. A baker has $\frac{2}{3}$ of a cup of sugar. Each batch of cookies needs $\frac{1}{6}$ of a cup. How many batches can the baker make?

3. A road is $\frac{5}{6}$ of a kilometre long. Workers pave $\frac{1}{3}$ of a kilometre per day. How many days will it take to pave the whole road?

4. A jug holds $\frac{7}{8}$ of a litre of juice. Each glass holds $\frac{1}{4}$ of a litre. How many glasses can be filled?

5. A spool has $\frac{4}{5}$ of a metre of ribbon. Each bow needs $\frac{2}{5}$ of a metre. How many bows can be made?

6. A recipe calls for $\frac{3}{8}$ of a cup of butter. If you want to make $\frac{1}{2}$ of the recipe, how much butter do you need?

7. A tank is $\frac{5}{6}$ full of water. If each bucket holds $\frac{1}{9}$ of the full tank, how many buckets of water are in the tank?

8. A plank of wood is $\frac{7}{10}$ of a metre long. Each shelf needs $\frac{7}{20}$ of a metre. How many shelves can be cut?

9. A cyclist rode $\frac{9}{10}$ of a kilometre. If each lap of a track is $\frac{3}{10}$ of a kilometre, how many laps did the cyclist complete?

10. A container holds $\frac{11}{12}$ of a litre of paint. Each small tin holds $\frac{1}{6}$ of a litre. How many small tins can be filled?

Answer Key

1. 3

2. 4

3. 2 and $\frac{1}{2}$ days

- 4. 3 and $\frac{1}{2}$ glasses
- 5. 2
- 6. $\frac{3}{16}$ of a cup
- 7. 7 and $\frac{1}{2}$ buckets
- 8. 2
- 9. 3
- 10. 5 and $\frac{1}{2}$ tins