

# Fraction Word Problems

1. Olivia went out for a walk. She walked  $\frac{1}{4}$  of a mile and then sat down to take a rest. Then she walked  $\frac{1}{4}$  of a mile. How far did she walk altogether?
2. Noah made two types of biscuits. He used  $\frac{3}{8}$  cup of sugar for one recipe and  $\frac{1}{8}$  cup of sugar for the other. How much sugar (in cups) did he use in all?
3.  $\frac{3}{10}$  of the coloured chocolates in a bag are red and  $\frac{3}{10}$  are blue. What fraction of the coloured chocolates is red and blue?
4. Emily has  $\frac{4}{12}$  of a chocolate bar. Nathan has  $\frac{5}{12}$  of the chocolate bar. How much do they have together?
5. Grace ran  $\frac{4}{6}$  of a marathon. Anita ran  $\frac{5}{6}$  of a marathon. Who ran further? What fraction further?
6. A running track is one kilometre long. If I jog for  $\frac{1}{3}$  km and sprint for  $\frac{1}{3}$  km, will I complete the full distance of the track?
7. You give  $\frac{3}{6}$  of a box of cakes to Anna and  $\frac{1}{6}$  of the box of cakes to Haris. How much of the box of cakes did you give away?
8. Peter walks  $\frac{7}{8}$  of a mile to school. Layla walks  $\frac{5}{8}$  of a mile to school. How much farther does Peter walk than Layla?
9. There is  $\frac{7}{10}$  of a pizza in one box and  $\frac{3}{10}$  of a pizza in another box. How much more is there in the first box compared to the second box?
10. A jug contains  $\frac{5}{8}$  of a litre of juice. After you pour  $\frac{3}{8}$  of a litre into some glasses, how much is left in the jug?
11. At a class party  $\frac{3}{8}$  of a vegetarian pizza and  $\frac{4}{8}$  of a meat-feast pizza were eaten. How much pizza was eaten altogether?
12. Harry and Dele shared a chocolate bar. Harry ate  $\frac{3}{5}$  and Dele ate  $\frac{2}{5}$ . Who ate more? What fraction more?

## Challenge

Write some of your own problems for others to solve.

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1. Olivia went out for a walk. She walked  $\frac{3}{4}$  of a mile and then sat down to take a rest. Then she walked  $\frac{1}{8}$  of a mile. How far did she walk altogether?
2. Noah made two types of biscuits. He used  $\frac{3}{8}$  cup of sugar for one recipe and  $\frac{1}{4}$  cup of sugar for the other. How much sugar (in cups) did he use in all?
3.  $\frac{1}{10}$  of the coloured chocolates in a bag are red and  $\frac{1}{5}$  are blue. What fraction of the coloured chocolates are red and blue?
4. Emily has  $\frac{1}{3}$  of a chocolate bar. Nathan has  $\frac{5}{12}$  of the chocolate bar. How much do they have together?
5. Grace ran  $\frac{2}{3}$  of a marathon. Anita ran  $\frac{5}{6}$  of a marathon. Who ran further? What fraction further?
6. A running track is one kilometre long. If I jog for  $\frac{1}{6}$  km and sprint for  $\frac{2}{3}$  km will I complete the full distance of the track?
7. You give  $\frac{1}{3}$  of a box of cakes to Anna and  $\frac{1}{6}$  of the box of cakes to Haris. How much of the box of cakes did you give away?
8. Peter walks  $\frac{7}{8}$  of a mile to school. Layla walks  $\frac{1}{2}$  a mile to school. How much farther does Peter walk than Layla?
9. There is  $\frac{7}{10}$  of a pizza in one box and  $\frac{2}{5}$  of a pizza in another box. How much more is there in the first box compared to the second box?
10. A jug contains  $2\frac{3}{4}$  litres of orange juice. After you pour  $\frac{5}{8}$  of a litre into some glasses, how much is left in the jug?
11. At a class party,  $\frac{3}{8}$  of a vegetarian pizza and  $\frac{1}{2}$  of a meat-feast pizza were eaten. How much pizza was eaten altogether?
12. Harry and Dele shared a chocolate bar. Harry ate  $\frac{2}{5}$  and Dele ate  $\frac{3}{10}$ . Who ate more? What fraction more?

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# Fraction Word Problems

1. Olivia went out for a walk. She walked  $2\frac{3}{4}$  miles and then sat down to take a rest. Then she walked  $1\frac{1}{8}$  miles. How far did she walk altogether?
2. Noah made two types of biscuits. He used  $1\frac{5}{8}$  cups of sugar for one recipe and  $2\frac{1}{4}$  cups of sugar for the other. How much sugar (in cups) did he use in all?
3.  $\frac{1}{5}$  of the coloured chocolates in a bag are red and  $\frac{3}{10}$  are blue. What fraction of the coloured chocolates are not red or blue?
4. Emily has  $\frac{1}{3}$  of a chocolate bar. Nathan has  $\frac{5}{12}$  of the chocolate bar. How much of the chocolate bar is left?
5. After three hours, Grace has run  $\frac{2}{3}$  of a marathon and Anita has run  $\frac{5}{6}$  of a marathon. Who has more to run to finish?
6. A race is five kilometres long. If I jog for  $3\frac{5}{6}$  kms and sprint for  $\frac{2}{3}$  kms, how much further do I need to run?
7. You give  $2\frac{2}{5}$  bottles of water to Anna and  $1\frac{7}{10}$  bottles of water to Haris. How many bottles of water did you give away in total?
8. Peter walks  $1\frac{7}{8}$  miles to school. Layla walks  $2\frac{1}{2}$  miles to school. How much farther does Layla walk than Peter?
9. There is  $\frac{9}{10}$  of a pizza in one box and  $\frac{1}{2}$  of a pizza in another box. How much more is there in the first box compared to the second box?
10. A jug contains  $2\frac{3}{4}$  litres of orange juice. After you pour  $1\frac{7}{8}$  litres into some glasses, how much is left in the jug?
11. At a class party,  $\frac{3}{8}$  of a vegetarian pizza,  $\frac{1}{2}$  of a meat-feast pizza and  $\frac{3}{4}$  of a pepperoni pizza were eaten. How much pizza was eaten altogether?
12. Harry, Dele and Christian shared a chocolate bar. Harry ate  $\frac{1}{5}$ , Dele ate  $\frac{3}{10}$  and Christian finished the bar. What fraction did Christian eat?

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# Fraction Word Problems Answers

## Lower Ability

1.  $\frac{2}{4}$  or  $\frac{1}{2}$
2.  $\frac{4}{8}$  or  $\frac{1}{2}$
3.  $\frac{6}{10}$
4.  $\frac{9}{12}$  or  $\frac{3}{4}$
5. Anita  $\frac{1}{6}$
6. No  $\frac{1}{3}$ km short
7.  $\frac{4}{6}$  or  $\frac{2}{3}$
8.  $\frac{2}{8}$  of a mile
9.  $\frac{4}{10}$
10.  $\frac{2}{8}$
11.  $\frac{7}{8}$  of a pizza
12. Harry  $\frac{1}{5}$

## Middle Ability

1.  $\frac{7}{8}$
2.  $\frac{5}{8}$
3.  $\frac{3}{10}$
4.  $\frac{9}{12}$  or  $\frac{3}{4}$
5. Anita  $\frac{1}{6}$
6. No  $\frac{1}{6}$ km short
7.  $\frac{3}{6}$  or  $\frac{1}{2}$
8.  $\frac{3}{8}$  of a mile
9.  $\frac{3}{10}$
10.  $2\frac{1}{8}$
11.  $\frac{7}{8}$  of a pizza
12. Harry  $\frac{1}{10}$

## Higher Ability

1.  $3\frac{7}{8}$
2.  $3\frac{7}{8}$
3.  $\frac{5}{10}$  or  $\frac{1}{2}$
4.  $\frac{3}{12}$  or  $\frac{1}{3}$
5. Grace  $\frac{1}{3}$
6.  $\frac{1}{2}$  km
7.  $4\frac{1}{10}$  bottles
8.  $\frac{5}{8}$  of a mile
9.  $\frac{4}{10}$
10.  $\frac{7}{8}$
11.  $1\frac{5}{8}$  pizzas
12.  $\frac{1}{2}$

## Challenge

Answers will vary depending on the question. Adult will need to check these.