Adding and Subtracting Fractions with Different Denominators

Solve these addition word problems.

1. Henry ate $\frac{1}{2}$ of a bar of chocolate. Sally ate $\frac{1}{4}$ of it. How much did they eat in total?

   _____

2. Freddie swam $\frac{3}{8}$ laps yesterday and $\frac{1}{4}$ today. How many laps did he swim in total?

   _____

3. Simon bought a box of biscuits that weighed $1\frac{1}{2}$ kg. Anna bought a box of biscuits that weighed $1\frac{1}{4}$ kg. How much did the two boxes weigh in total?

   _____

4. Chi ran $2\frac{2}{6}$ km last week and $1\frac{1}{3}$ km this week. How many km did he run in total?
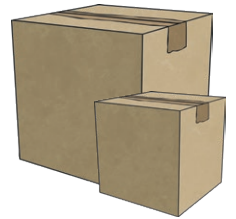
   _____

Adding and Subtracting Fractions with Different Denominators

Solve these subtraction word problems.

5. Tom ate $\frac{7}{8}$ of his chocolate bar. His sister, Jade, ate $\frac{3}{4}$ of hers. How much more did Tom eat than Jade?

_____

6. A postman delivered two boxes. The first weighed $\frac{7}{6}$ kg and the second weighed $\frac{2}{3}$ kg. How much lighter was the second box than the first?

_____

7. Matthew grew a sunflower that was $1\frac{7}{8}$ metres tall. She cut $\frac{3}{4}$ metres off the height. How much of the stem is left?

_____

8. George's guinea pig weighed $2\frac{3}{4}$ kg. Pippa's guinea pig weighed $1\frac{3}{8}$ kg. How much more did George's guinea pig weigh than Pippa's?

_____

Adding and Subtracting Fractions with Different Denominators **Answers**

Solve these addition word problems.

1. Henry ate $\frac{1}{2}$ of a bar of chocolate. Sally ate $\frac{1}{4}$ of it. How much did they eat in total? $\frac{3}{4}$

2. Freddie swam $\frac{3}{8}$ laps yesterday and $\frac{1}{4}$ today. How many laps did he swim in total? $\frac{5}{8}$

3. Simon bought a box of biscuits that weighed $1\frac{1}{2}$ kg. Anna bought a box of biscuits that weighed $1\frac{1}{4}$ kg. How much did the two boxes weigh in total? **$2\frac{3}{4}$ kg**

4. Chi ran $2\frac{2}{6}$ km last week and $1\frac{1}{3}$ km this week. How many km did he run in total? **$3\frac{4}{6}$ km**

Solve these subtraction word problems.

5. Tom ate $\frac{7}{8}$ of his chocolate bar. His sister, Jade, ate $\frac{3}{4}$ of hers. How much more did Tom eat than Jade? $\frac{7}{8}$

6. A postman delivered two boxes. The first weighed $\frac{7}{6}$ kg and the second weighed $\frac{2}{3}$ kg. How much lighter was the second box than the first? **$\frac{3}{6}$ kg**

7. Matthew grew a sunflower that was $1\frac{7}{8}$ metres tall. She cut $\frac{3}{4}$ metres off the height. How much of the stem is left? **$1\frac{1}{8}$ metres**

8. George's guinea pig weighed $2\frac{3}{4}$ kg. Pippa's guinea pig weighed $1\frac{3}{8}$ kg. How much more did George's guinea pig weigh than Pippa's? **$1\frac{3}{8}$**

Adding and Subtracting Fractions with Different Denominators

Solve these addition word problems.

1. Harriet ate $\frac{6}{10}$ of a bar of chocolate. Sally ate $\frac{2}{5}$ of it. How much did they eat in total?
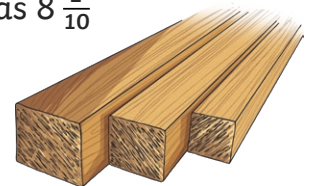
   _____

2. Frank ran $3\frac{4}{12}$ metres yesterday and $2\frac{3}{6}$ metres today. How many metres did he run in total?

   _____

3. Simon bought a box of cakes that weighed $3\frac{2}{8}$ kg. Anita bought a box of cakes that weighed $3\frac{2}{8}$ kg. How much did the two boxes weigh in total?

   _____

4. Holly had two pieces of wood. One was $10\frac{3}{5}$ metres long and one was $8\frac{2}{10}$ metres long. She joined them together to make one side of a fence. How long was the side of the fence?

   _____

5. Yavna ran $3\frac{2}{16}$ km last week and $4\frac{5}{8}$ km this week. How many km did she run in total?
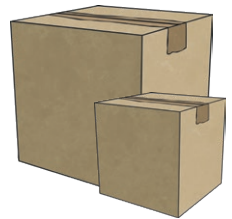
   _____

Adding and Subtracting Fractions with Different Denominators

Solve these subtraction word problems.

6. Tony used $\frac{9}{12}$ of a can of paint to decorate his room. Iona only used $\frac{2}{6}$ of hers. How much more paint did Tony use than Iona?

_____

7. A postman delivered two boxes. The first weighed $4\frac{7}{15}$ kg and the second weighed $3\frac{2}{5}$ kg. How much lighter was the second box than the first?

_____

8. Monty grew a cherry blossom tree that was $2\frac{3}{4}$ metres tall. He cut $1\frac{7}{12}$ metres. How much of the trunk is left?

_____

9. Zoe danced to a song that was $2\frac{3}{7}$ minutes long. Kenny danced to a song that was $3\frac{10}{14}$ minutes long. How much longer was Kenny's song than Zoe's?

_____

10. Graham's dog weighed $10\frac{1}{3}$ kg. Penny's dog weighed $8\frac{2}{9}$ kg. How much more did Graham's dog weigh than Penny's?

_____

Adding and Subtracting Fractions with Different Denominators **Answers**

Solve these addition word problems.

1. Harriet ate $\frac{6}{10}$ of a bar of chocolate. Sally ate $\frac{2}{5}$ of it. How much did they eat in total?
   1 – the whole bar

2. Frank ran $3\frac{4}{12}$ metres yesterday and $2\frac{3}{6}$ metres today. How many metres did he run in total? **$5\frac{5}{6}$ metres**

3. Simon bought a box of cakes that weighed $3\frac{2}{8}$ kg. Anita bought a box of cakes that weighed $3\frac{2}{8}$ kg. How much did the two boxes weigh in total? **$6\frac{1}{2}$ kg**

4. Holly had two pieces of wood. One was $10\frac{3}{5}$ metres long and one was $8\frac{2}{10}$ metres long. She joined them together to make one side of a fence. How long was the side of the fence?
   $18\frac{4}{5}$ metres

5. Yavna ran $3\frac{2}{16}$ km last week and $4\frac{5}{8}$ km this week. How many km did she run in total?
   $7\frac{12}{16}$ km
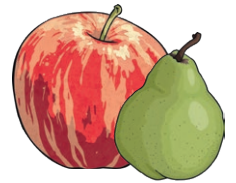
Solve these subtraction word problems.

6. Tony used $\frac{9}{12}$ of a can of paint to decorate his room. Iona only used $\frac{2}{6}$ of hers. How much more paint did Tony use than Iona? **$\frac{5}{12}$**

7. A postman delivered two boxes. The first weighed $4\frac{7}{15}$ kg and the second weighed $3\frac{2}{5}$ kg. How much lighter was the second box than the first? **$1\frac{1}{15}$ kg**

8. Monty grew a cherry blossom tree that was $2\frac{3}{4}$ metres tall. He cut $1\frac{7}{12}$ metres. How much of the trunk is left? **$1\frac{2}{12}$ metres**

9. Zoe danced to a song that was $2\frac{3}{7}$ minutes long. Kenny danced to a song that was $3\frac{10}{14}$ minutes long. How much longer was Kenny's song than Zoe's? **$1\frac{2}{7}$ minutes**

10. Graham's dog weighed $10\frac{1}{3}$ kg. Penny's dog weighed $8\frac{2}{9}$ kg. How much more did Graham's dog weigh than Penny's? **$2\frac{1}{9}$ kg**

Adding and Subtracting Fractions with Different Denominators

1. Jayden's class recycled $6\frac{2}{3}$ containers in January. They recycled $5\frac{5}{8}$ containers in February. How much more did they recycle in January than in February?

   _____

2. Michelle bought a box of apples that weighed $5\frac{2}{7}$ kg. She bought a box of pears that weighed $4\frac{1}{2}$ kg. How much did the boxes of fruit weigh in total?

   _____

3. Meena had a roll of string that was $6\frac{3}{5}$ metres long. She cut off $2\frac{1}{3}$ metres. How much string was left on the roll?

   _____

4. Bianca studied for $2\frac{3}{4}$ hours on Saturday. She studied for $3\frac{2}{9}$ hours on Sunday. How many hours did she study for in total?

   _____

5. Kitty the cat drank $7\frac{3}{4}$ bowls of milk over the weekend. She drinks $5\frac{2}{3}$ during the week. How much more did she drink over the weekend than during the week?

   _____

Adding and Subtracting Fractions with Different Denominators

6. Raul walked $12\frac{6}{7}$ km on Monday. He walked $8\frac{2}{3}$ more on Friday. How many more km did he walk on Monday than on Friday?

_____

7. Emily measured her mum and dad. Her mum was $1\frac{2}{3}$ metres tall and her dad was $1\frac{6}{8}$ metres tall. How much taller is her dad than her mum?

_____

8. Juno bought two books. The first book weighed $1\frac{2}{5}$ kg. The second book weighed $1\frac{5}{6}$ kg. How much do the books weigh in total?

_____

Challenge

Use the following pairs of fractions and write your own addition and subtraction problems. Remember to work out the answer to your own questions!

9. $2\frac{1}{3} + 1\frac{6}{11}$

10. $8\frac{3}{4} - 7\frac{3}{5}$

Adding and Subtracting Fractions with Different Denominators **Answers**

1. Jayden's class recycled $6\frac{2}{3}$ containers in January. They recycled $5\frac{2}{3}$ containers in February. How much more did they recycle in January than in February? **$1\frac{1}{24}$**

2. Michelle bought a box of apples that weighed $5\frac{2}{7}$ kg. She bought a box of pears that weighed $4\frac{1}{2}$ kg. How much did the boxes of fruit weigh in total? **$9\frac{11}{14}$ kg**

3. Meena had a roll of string that was $6\frac{3}{5}$ metres long. She cut off $2\frac{1}{3}$ metres. How much string was left on the roll? **$4\frac{4}{15}$**

4. Bianca studied for $2\frac{3}{4}$ hours on Saturday. She studied for $3\frac{2}{9}$ hours on Sunday. How many hours did she study for in total? **$\frac{35}{36}$ hours**

5. Kitty the cat drank $7\frac{3}{4}$ bowls of milk over the weekend. She drank $5\frac{2}{3}$ during the week. How much more did she drink over the weekend than during the week? **$2\frac{1}{12}$**

6. Raul walked $12\frac{6}{7}$ km on Monday. He walked $8\frac{2}{3}$ more on Friday. How many more km did he walk on Monday than on Friday? **$4\frac{2}{21}$ km**

7. Emily measured her mum and dad. Her mum was $1\frac{2}{3}$ metres tall and her dad was $1\frac{6}{8}$ metres tall. How much taller is her dad than her mum? **$\frac{2}{24}$ or $\frac{1}{12}$ metres**

8. Juno bought two books. The first book weighed $1\frac{2}{5}$ kg. The second book weighed $1\frac{5}{6}$ kg. How much do the books weigh in total? **$2\frac{37}{30}$ kg**

9. $2\frac{1}{3} + 1\frac{6}{11} =$ **$3\frac{29}{33}$**

10. $8\frac{3}{4} - 7\frac{3}{5} =$ **$1\frac{3}{20}$**