

Adding and Subtracting Fractions with Different Denominators



Solve these addition and subtraction word problems.

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



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



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. He 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?



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1. $\frac{3}{4}$

2. $\frac{5}{8}$

3. $2\frac{3}{4}$ kg

4. $3\frac{4}{6}$ km or $3\frac{2}{3}$ km

5. $\frac{1}{8}$ kg

6. $\frac{3}{6}$ kg

7. $1\frac{1}{8}$ metres

8. $1\frac{3}{8}$ km

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



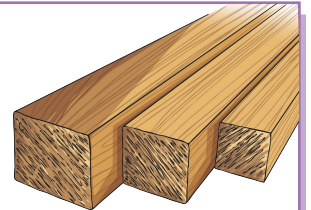
2. Tyler ran $3\frac{4}{12}$ metres yesterday and $2\frac{3}{6}$ metres today. How many metres did he run in total?



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



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



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 $8\frac{2}{4}$ kg. How much more did Graham's dog weigh than Penny's?



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1. 1 – The whole bar.
2. $5\frac{5}{6} m$
3. $6\frac{1}{2} kg$
4. $18\frac{4}{5} metres$
5. $7\frac{12}{16} km$ or $7\frac{6}{8} km$ or $7\frac{3}{4} km$
6. $\frac{5}{12}$
7. $1\frac{1}{15} kg$
8. $1\frac{2}{12} metres$ or $1\frac{1}{6} metres$
9. $1\frac{2}{7} minutes$
10. $2\frac{1}{9} kg$

Adding and Subtracting Fractions with Different Denominators



Solve these addition and subtraction word problems.

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. Aroha 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?



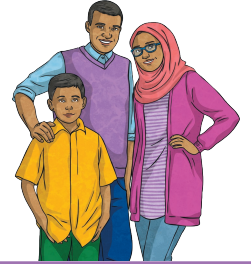
5. Milo the cat drank $7\frac{3}{4}$ bowls of milk over the weekend. She drinks $5\frac{2}{3}$ during the week. How much more did she drink over the weekend than during the week?



6. Tavita 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. Liam 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. $8\frac{3}{4} - 7\frac{3}{5}$

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1. $1\frac{1}{24}$

2. $9\frac{11}{14} \text{ kg}$

3. $4\frac{4}{15}$

4. $5\frac{35}{36}$

5. $2\frac{1}{12}$

6. $4\frac{4}{21} \text{ km}$

7. $\frac{2}{24}$ or $\frac{1}{12}$ metres

8. $3\frac{7}{30} \text{ kg}$

9. $3\frac{29}{33}$

10. $1\frac{3}{20}$