

Lesson 5 Week 5 Questions

Mixed fraction questions and word problems

1											
1/2						1/2					
1/3				1/3				1/3			
1/4			1/4			1/4			1/4		
1/5		1/5		1/5		1/5		1/5		1/5	
1/6		1/6		1/6		1/6		1/6		1/6	
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10
1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12

RED

- 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?
- $\frac{3}{10}$ 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?
- Emily has $\frac{4}{12}$ of a chocolate bar. Nathan has $\frac{5}{12}$ of the chocolate bar. How much do they have together?
- Grace ran $\frac{4}{6}$ of a marathon. Anita ran $\frac{5}{6}$ of a marathon. Who ran further? What fraction further?
- 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?

6. 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?
7. Peter walks $\frac{7}{8}$ of a mile to school. Layla $\frac{5}{8}$ walks of a mile to school. How much further does Peter walk than Layla?
8. A jug contains $\frac{5}{8}$ litres of juice. After you pour $\frac{3}{8}$ of a litre into some glasses, how much is left in the jug?
9. Harry and Dele shared a chocolate bar. Harry ate $\frac{3}{5}$ and Dele $\frac{2}{5}$ ate . Who ate more? What fraction more?

YELLOW

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. Emily has $\frac{1}{3}$ of a chocolate bar. Nathan has $\frac{5}{12}$ of the chocolate bar. How much do they have together?
4. Grace ran $\frac{2}{3}$ of a marathon. Anita ran $\frac{5}{6}$ of a marathon. Who ran further? What fraction further?
5. 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?
6. You give of a $\frac{1}{3}$ box of cakes to Anna and $\frac{1}{6}$ of the box of cakes to Harris. How much of the box of cakes did you give away?
7. Peter walks $\frac{7}{8}$ of a mile to school. Layla walks $\frac{1}{2}$ of a mile to school. How much further does Peter walk than Layla?
8. 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?
9. Harry and Dele shared a chocolate bar. Harry ate $\frac{2}{5}$ and Dele ate $\frac{3}{10}$. Who ate more? What fraction more?

GREEN

Record all answers as mixed number fractions (no improper fractions)

1. 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?
2. 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?
3. 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?
4. You give $2\frac{2}{5}$ litres of water to Anna and $1\frac{7}{10}$ litres of water to Haris. How many litres of water did you give away in total?
5. 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?
6. 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?
7. 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?
8. 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?
9. Harry, Dele and Christian shared a chocolate bar. Harry ate $\frac{1}{5}$, Dele $\frac{3}{10}$ ate and Christian finished the bar. What fraction did Christian eat?