**Adding and Subtracting Fractions - Answers**

Give all your answers as simply as possible.

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| **Section 1** |
| 1. | $$\frac{3}{8}+\frac{1}{4}=\frac{5}{8}$$ | 2. | $$\frac{8}{9}-\frac{1}{3}=\frac{5}{9}$$ | 3. | $$\frac{3}{5}+\frac{7}{10}=1\frac{3}{10}$$ | 4. | $$\frac{5}{7}-\frac{8}{21}=\frac{7}{21}$$ |
| 5. | $$\frac{5}{8}-\frac{1}{12}=\frac{13}{24}$$ | 6. | $$\frac{2}{5}+\frac{1}{4}=\frac{13}{20}$$ | 7. | $$\frac{2}{3}-\frac{3}{7}=\frac{5}{21}$$ | 8. | $$\frac{2}{3}+\frac{1}{5}=\frac{13}{15}$$ |
| 9. | $$\frac{5}{7}+\frac{3}{5}=1\frac{11}{35}$$ | 10. | $$\frac{3}{4}+\frac{2}{3}=1\frac{5}{12}$$ | 11. | $$\frac{5}{8}+\frac{2}{3}=1\frac{7}{24}$$ | 12. | $$\frac{7}{12}+\frac{4}{5}=1\frac{23}{60}$$ |
| **Section 2** |
| 13. | Andy and Bob have a pizza each. After they have eaten some of their pizzas, Andy has $\frac{1}{3}$ of his pizza left and Bob has $\frac{1}{4}$ of his left. What fraction of pizza do they have left in total? $\frac{7}{12}$ |
| 14. | Charlene has a bag of sweets. She gives $\frac{2}{5}$ to her friend and eats $\frac{1}{4}$. What fraction of the bag of sweets does Charlene have left? $\frac{7}{20}$ |
| 15. | Dave and Ed are putting together bags of marbles to sell for charity. Dave has $\frac{3}{5}$ of a bag left over and Ed has $\frac{2}{3}$ of a bag left. Can they combine what they each have left to make another bag? *(You must show your workings)* Yes - $1\frac{4}{15}$ |
| 16. | Freya wants to make two cakes. She has $\frac{3}{4}$ of a bag of flour. The first cake requires $\frac{2}{5}$ of a bag of flour and the second cake needs $\frac{3}{10}$ of a bag of flour. Does Freya have enough flour to make both cakes?*(You must show your workings)* Yes – she requires $\frac{7}{10}$ or $\frac{14}{20}$ of a bag. $\frac{3}{4}=\frac{15}{20}$ |
| **Section 3** |
| 17. | $$1\frac{1}{2}+\frac{1}{4}=1\frac{3}{4}$$ | 18. | $$2\frac{2}{3}-\frac{2}{9}=2\frac{4}{9}$$ | 19. | $$1\frac{3}{5}+3\frac{7}{10}=5\frac{3}{10}$$ | 20. | $$2\frac{1}{6}-1\frac{1}{3}=\frac{5}{6}$$ |
| 21. | $$2\frac{1}{3}+1\frac{2}{5}=3\frac{11}{15}$$ | 22. | $$4\frac{5}{7}-2\frac{1}{4}=2\frac{13}{28}$$ | 23. | $$1\frac{5}{6}+2\frac{3}{4}=4\frac{7}{12}$$ | 24. | $$3\frac{1}{4}-2\frac{7}{9}=\frac{17}{36}$$ |
| **Section 4** |
| 25. | George’s van can carry a maximum of 5 tonnes. George needs to deliver two loads weighing $3\frac{1}{4}$ tonnes and $1\frac{5}{6}$ tonnes. Can George take both loads at once? *(You must show your workings)* No – it adds to $5\frac{1}{12}$ |
| 26. | Harriet is sowing grass seed in her garden. She has $1\frac{2}{3}$ bags of grass seed. Her front garden needs $\frac{7}{8}$ of a bag and the back garden needs $\frac{5}{6}$ of a bag. Does Harriet have enough grass seed? *(You must show your workings)* No – it adds to $1\frac{17}{24}$ and Harriet has $1\frac{16}{24}$ |