

Adding and Subtracting Fractions - Answers

Give all your answers as simply as possible.

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 $1\frac{16}{24}$