

Adding and Subtracting Fractions: math test solutions, Grade 4 – download the PDF

Test solutions with the detailed point scale. Add up your points and spot what to review.

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Like denominators

/ 4 pts

- a) $\frac{8}{11}$ (1 pt)
- b) $\frac{6}{15}$ (1 pt)
- c) $\frac{7}{7} = 1$ (1 pt)
- d) $\frac{9}{9} - \frac{2}{9} = \frac{7}{9}$ (1 pt)

2 Converting

/ 3 pts

- a) $17 \div 5 = 3 \text{ r } 2$, so $3\frac{2}{5}$. (1 pt)
- b) $4 \times 8 + 3 = 35$, so $\frac{35}{8}$. (1 pt)
- c) $23 \div 6 = 3 \text{ r } 5$, so $3\frac{5}{6}$. (1 pt)

3 Mixed numbers

/ 4 pts

- a) $4\frac{7}{9}$ (1 pt)
- b) Wholes 5, fractions $\frac{13}{10} = 1\frac{3}{10}$, total $6\frac{3}{10}$. (1 pt)
- c) $4\frac{3}{8}$ (1 pt)
- d) Regroup $6\frac{1}{5} = 5\frac{6}{5}$, then $5\frac{6}{5} - 2\frac{4}{5} = 3\frac{2}{5}$. (1 pt)

4 Decomposing

/ 3 pts

- a) $\frac{9}{10}$ is nine copies of $\frac{1}{10}$: $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$. (1 pt)
- b) For example $\frac{4}{10} + \frac{5}{10}$ and $\frac{2}{10} + \frac{7}{10}$. (1 pt)
- c) $2\frac{3}{4} = \frac{11}{4} = 11 \times \frac{1}{4}$. (1 pt)

5 Multiplying

/ 3 pts

- a) $\frac{12}{7} = 1\frac{5}{7}$ (1 pt)
- b) $\frac{30}{8} = 3\frac{6}{8}$ (1 pt)
- c) $\frac{12}{4} = 3$ (1 pt)

6 Fruit stand

/ 3 pts

- a) Wholes $3 + 2 = 5$, fractions $\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$. Total $6\frac{1}{4}$ pounds. (1.5 pts)
- b) $6\frac{1}{4} - 1\frac{3}{4} = 5\frac{5}{4} - 1\frac{3}{4} = 4\frac{2}{4}$. She has $4\frac{2}{4}$ pounds left. (1.5 pts)



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