

Lesson 3: Subtracting fractions (2)

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1. $2 - \frac{3}{8} = 1 \frac{8}{8} - \frac{3}{8} = 1 \frac{5}{8}$. Amelia has $1 \frac{5}{8}$ cake left.
2. a) $3 - \frac{1}{5} = 2 \frac{4}{5}$ d) $3 - \frac{4}{5} = 2 \frac{1}{5}$
b) $3 - \frac{2}{5} = 2 \frac{3}{5}$ e) $3 - \frac{5}{5} = 2 \frac{0}{5}$
c) $3 - \frac{3}{5} = 2 \frac{2}{5}$
3. a) $2 \frac{3}{7}$
b) Explanations may vary; for example:
Mary has worked out the answer to $\frac{5}{7} - \frac{2}{7}$, not $5 - \frac{2}{7}$.
The correct answer is $5 - \frac{2}{7} = 4 \frac{7}{7} - \frac{2}{7} = 4 \frac{5}{7}$
4. a) $3 \frac{3}{9}, 3 \frac{2}{9}, 3 \frac{1}{9}$ c) $9 \frac{1}{3}, 7 \frac{1}{3}, 5 \frac{1}{3}$
b) $4 \frac{3}{9}, 4 \frac{2}{9}, 4 \frac{1}{9}$ d) $5 \frac{1}{4}, 5 \frac{1}{5}, 5 \frac{1}{10}$
5. a) $\frac{4}{7}$ c) $15 \frac{7}{9}$ e) 5
b) $\frac{2}{3}$ d) $\frac{2}{3}$ f) 10
6. Explanations may vary; for example:
No, after 60 mins Jen will have run
 $\frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} = \frac{30}{8} = 3 \frac{6}{8}$ km.

Reflect

No, the calculation is not correct. $4 - \frac{3}{4} = 3 \frac{1}{4}$. Diagrams may vary; for example, children could draw 4 circles divided into quarters; subtracting 3 quarters leaves 3 wholes and 1 quarter.