1) Hifi has arranged his cat treats into fraction calculations.



$\frac{1}{8} + \frac{1}{9} > \frac{17}{72}$   $\frac{4}{9} - \frac{1}{12} > \frac{1}{36}$   $\frac{1}{9} + \frac{1}{10} > \frac{2}{90}$   $\frac{2}{9} - \frac{1}{7} > \frac{1}{63}$

Prove if each calculation is true or false. Show your reasoning.

2)



I think the shaded fraction of box C is five eighths.

a) | one quarter |
b) | three eighths |
c) | ? |
d) | $\frac{1}{16}$ |

Do you agree with Mildred the cat? Explain your reasoning.
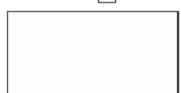
1) Calculate the answers to these fraction additions using common denominators.
Which calculation is the odd one out? Explain your reasoning.

$$\frac{2}{3} + \frac{5}{14} = \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}$$

$$\frac{1}{2} + \frac{6}{21} = \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}$$

$$\frac{1}{6} + \frac{4}{7} = \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}$$

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2) Lola has made a mistake in this calculation. What mistake has Lola made? What advice would you give to her?

$$\frac{4}{5} - \frac{3}{8} = \frac{1}{40}$$

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3) Marlon has added three fractions with unlike denominators together. Is he correct? Explain how you think he has used common denominators to find the answer.

$$\frac{1}{6} + \frac{1}{5} + \frac{1}{3} = \frac{7}{10}$$

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