

1. Add and simplify, showing all your steps.

$$\frac{5}{52} + \frac{7}{36}$$

4pts

2. Illustrate $\frac{1}{2}$ of $\frac{4}{5}$ using a rectangular diagram. Clearly label the diagram to indicate each fraction and the answer.

3pts

3. Calculate mentally using the distributive property. Show the steps you thought through.

$$6 \left(7 \frac{2}{3} \right)$$

4pts

4. Estimate $\left(4 \frac{2}{3} \right) \cdot \left(8 \frac{1}{4} \right)$, using

a. range estimation

b. rounding

4pts

5. Without dividing to change the following fractions to decimals, explain how to tell whether each fraction will be a terminating decimal.

a. $\frac{8}{48}$

b. $\frac{6}{48}$