**Grade 6 Math NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Problem-solving with fractions**

1. Paras has two KitKat bars. Each bar has four sections. She decides to give five friends $\frac{1}{4}$ of a bar each and keep the rest for herself. Represent how much she gives away as an **improper fraction**, as a **mixed number** and using a **number line**.

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2. Hannah will be spending her entire lunch at peer helping today. Ms. Pynn tells her that she will spend $\frac{1}{2}$ of her time in Ms. Lane’s class, $\frac{1}{2}$ of her time in Ms. Fleming’s class and $\frac{1}{2}$ of her time in Ms. Burton’s class. Explain why this isn’t possible using **numbers**, **words** and a **number line**.

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3. What luck! Someone has dropped off 8 cakes for the teachers to eat. By the end of the day, $\frac{1}{3}$ of each cake is left. Represent how much cake is left in total using **a number line**, and as a **mixed number** and an **improper fraction.**

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4. Oh no! Blake and Julia are in ANOTHER huge fight! Ms. Lane-Bolsom has asked them to get granola bars for 17 kindergarten students. The granola bars come in packs of 6. Blake says they’ll need $\frac{17}{6}$ packs, while Julia says they’ll need $2\frac{5}{6}$ packs. Use **drawings** and **numbers** to determine who is correct.

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