

For each of the following problems, try to calculate the result mentally. If you need to, make a diagram to help.

1. Hank had a piece of crimson glass that was $5\frac{3}{8}$ inches long. After cutting a piece for his project, Hank gave the remaining $2\frac{3}{4}$ inches to Jacob for use in a pendant. How long

was the piece of crimson glass that Hank cut for his project?

2. For the lunch break, the gang ordered two large pepperoni pizzas and two large supreme pizzas. They ate $1\frac{7}{12}$ pepperoni and $1\frac{1}{3}$ supreme pizzas. How much more of the pepperoni pizzas were eaten?

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3. Michael and Alex painted the living room. They started with 8 gallons of paint. They used $3\frac{5}{6}$ gallons in the living room. They used an additional $2\frac{1}{2}$ gallons in the hallway. How many gallons of paint remained?

4. Try to solve the following subtraction problems mentally. Describe the reasoning you use to determine each answer.



