Does It Make Sense?

Let's decide if our answers make sense.

Warm-up

True or False: Is It Greater?

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $132 + 115 > 200$

- $228 + 195 > 400$

- $217 + 151 > 400$

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Activity 1

Quick Estimates

1. There are 212 beads in a plastic bag. Priya uses 98 of the beads to make a necklace. Then she puts 308 more beads in the bag.

   Priya makes an estimate that there are about 400 beads in the bag now. Does her estimate make sense? Explain your reasoning.

   _____

   _____

2. Estimate the answer for each of these problems.

   a. Clare had 252 beads. She used 92 beads to make some bracelets. Then a friend gave her 203 beads. How many beads does Clare have now?

   b. Han had 558 beads. His sister had 302 beads. They combined their beads for an art project that used 250 beads. How many beads do they have left?

Activity 2

Solve and Reason

1. Solve 1 of the problems. Explain or show your reasoning.

   a. Jada has 326 beads. She gives her friend 32 beads. Then Jada uses 84 beads to make a bracelet. How many beads does Jada have now?

   b. Noah starts an art project on Monday by using 624 beads. On Tuesday, he uses 132 more beads. On Wednesday, he finishes the project by using 48 more beads. How many beads did Noah use on his art project?

2. Trade work with a partner. Decide whether your partner's answer for their problem makes sense. On their paper, explain your reasoning.