Name _____ Date _____

Multi-Step Word Problems with Remainders: The Camping Trip

Directions: These problems follow one school camping trip. Each one takes more than one step, so decide what to find first. When a division leaves a remainder, think about what the remainder means in the story.

1. A camping trip has 26 students and 5 adults. Each van has 8 seats. How many vans does the group need so that every person gets a seat?

_____ vans

2. A leader packs snacks for the hike. She has 4 boxes of granola bars with 18 bars in each box. She puts 5 bars in every snack pack. How many full snack packs can she make?

_____ packs

3. Campers gather 50 pieces of firewood on Friday and 43 pieces on Saturday. They stack all of the wood in piles of 6. After they make as many full piles as they can, how many pieces are left over?

_____ pieces

4. All 26 students sleep in tents. Five students sleep in each of four large tents, and all remaining students sleep in small tents. The letter t stands for the number of students in small tents. Which equation gives the value of t?

A. $26 - (4 + 5) = t$

B. $26 + (4 \times 5) = t$

C. $26 - (4 \times 5) = t$

D. $(26 - 4) \times 5 = t$

5. The camp buys 4 tents for $189 each and one stove for $62. A leader adds up the cost and gets $818. To check, she rounds 62 to the nearest ten and 189 to the nearest hundred. Which estimate follows her plan?

A. $(4 \times 200) + 100 = 900$, so $818 is reasonable.

B. $(4 \times 100) + 60 = 460$, so $818 is too high.

C. $(4 \times 200) + 60 = 860$, so $818 is reasonable.

D. $200 + 60 = 260$, so $818 is too high.

6. The cook brings 4 packs of hot dogs with 20 in each pack. Each of the 31 people at camp eats 2 hot dogs. How many hot dogs are left?

_____ hot dogs

7. All 26 students and 3 of the adults play a relay game in teams of 6. How many full teams can they make, and how many players will be left over?

A. 4 full teams with 5 players left over

B. 5 full teams with no players left over

C. 4 full teams with 2 players left over

D. 5 full teams with 4 players left over

8. Each of the 26 students needs 3 water bottles for the hike. The camp already has 10 of those bottles, and more bottles come in packs of 8. How many packs must the leader buy so that every student has 3 bottles?

_____ packs