

**Directions:** Choose only one problem from the three below to complete.

Circle the number beside the problem you choose.

Be sure to identify the answer.

Show the work you did to get the answer, and the review of your concepts, strategies, & calculations.

1.

**S/P** There are 4 ballet students in a class. Their mean average age is 8.5 years.

Then a 7-year old boy joins the class.

What is the new average age of the students in the ballet class?

---

---

2.

**G** Saleem constructed a coffee table measuring 36" x 36" in wood shop. He made a square chessboard that covered 25% of the table's surface. What are the dimensions of the chessboard?

---

---

3.

**A** Julie, Judy, and John opened up a lemonade stand. They set out and numbered 100 cups and filled each of them with lemonade. Julie puts strawberry flavor in every second cup of lemonade. Judy puts cherry flavoring in every third cup. John puts raspberry flavoring in every fifth cup. What is the number of the first cup that will have all three flavorings?

---

---