**Grade 7 Math Test - Word Problems**

**Section A: Fractions - Multiplication and Division**

**1.** A recipe calls for 1⅗ cups of milk. If MrBeast wants to make 2½ times the recipe, how much milk will he need?

**2.** Hermione Granger has a book with 240 pages. She reads ⅜ of the book on Monday and ⅓ of what remains on Tuesday. How many pages are left to read?

**3.** Super Mario harvested 6¾ tons of mushroom. He sells ⅔ of it to one buyer and then divides the remaining mushroom equally among 4 storage silos. How many tons go into each silo?

**4.** Link collected $54. He spends ⅝ of them on arrows, then finds that he needs ¾ of the remaining to buy a potion. How much will the potion cost?

**Section B: Decimals**

**5.** Sonic travels at 87.5 km/h for 2.4 hours. How far does he travel?

**6.** All 9 Akatsuki members went to a Black Pink concert. They paid $1278 in total. How much does each person pay?

**7.** A water tank holds 450.8 liters when full. After using some water, it is now 0.35 full. How many liters of water were used?

**Section C: Percentages**

**8.** Last year, Taylor Swift had 180 million followers. Today she has 216 million followers. What is the percentage change? Was it an increase or decrease?

**9.** A PS5 originally priced at $850 has its price reduced by 18%. What is the new price?

**10.** In a survey of 250 people, 68% prefer Bleach over Naruto. How many people prefer Bleach?

**11.** Steph Curry made 42 three-point shots out of 56 attempts during a tournament. What was his success percentage?

**12.** KPOP Demon Hunters sold 320 tickets for the evening show. 55% were adult tickets, and the rest were split equally between student and senior tickets. How many senior tickets were sold?

**Section D: Harder Questions**

**13.** A bottle contains 1.8 liters. After drinking ⅓ of it, more water is added until the bottle is 90% full of its original capacity. How much water was added?

**14.** Sanji wants to buy a hero costume costing $84. He currently has $23.50 and plans to save $12.25 every week. After how many weeks will he have enough money to buy the costume?

**15.** **Troll Question**

Goku is powering up through different transformations for a tournament, but his power readings are inconsistent:

* Base form power readings over 7 training days: 180, 200, 240, 195, 220, 185, 200
* Super Saiyan multiplies the **median** base power by 2.5
* Super Saiyan 2 adds 75% to Super Saiyan power **OR** adds a flat 350 power units (whichever is greater)
* Super Saiyan 3 power equals the **mean** of Super Saiyan and Super Saiyan 2 powers, plus 50% of the power difference between them
* Super Saiyan God power is 1.8 times Super Saiyan 3 power **OR** Super Saiyan 2 power plus 800 units (whichever gives higher power)
* Ultra Instinct adds 300% of the **mean** base form power to Super Saiyan God power

What is Ultra Instinct's power level, and what is the percentage increase from the median base form to Ultra Instinct?