### 16th February

#### Calculation

- **Problem:** Work out how much both dogs weigh in total.

- **Solution:**

  - Lucky weighs 7.2 kilograms.
  - Pepe is 900 grams lighter than Lucky, so Pepe weighs 7.2 - 0.9 = 6.3 kilograms.
  - Total weight = 7.2 + 6.3 = 13.5 kilograms.

#### Fraction

- **Problem:** Simplify the fraction $1\frac{3}{4}$.

  - **Solution:** $1\frac{3}{4} = \frac{7}{4}$.

#### Prime Numbers

- **Problem:** James says all prime numbers are odd. Explain why James is wrong.

  - **Solution:**
    - A prime number is a number that has exactly two distinct positive divisors: 1 and itself.
    - The number 2 is the only even prime number because it is divisible only by 1 and itself.
    - All other prime numbers are odd.

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