Grade: 5   **Category:** Fractions (Division)   **Sub Category:** Word problems (division with unit fractions)   **Worksheet #:** 73Q

1. Joe uses $\frac{1}{2}$ cup of milk to bake 10 small cupcakes. How much milk is used for each cupcake?

2. Annie was left with $\frac{1}{4}$ cake at the end of her birthday party. She finishes the cake in the next 3 days. How much cake did she eat each day?

3. Joe uses $\frac{1}{10}$ pounds of cheese for making 2 pizzas. How much cheese will be required for making 5 pizzas?

4. Jane reads $\frac{1}{12}$ of a story book each day. The book has 180 pages. How many days will he require to finish the book?

5. A house is being built by 5 laborers. They together build $\frac{1}{15}$ part of the house each day. How many days will they require to complete the house?

Grade: 5   **Category:** Fractions (Division)   **Sub Category:** Word problems (division with unit fractions)   **Worksheet #:** 73A

---

1. Milk used to bake one cupcake = $\frac{1}{2} \div 10 = \frac{1}{2} \times \frac{1}{10} = \frac{1}{20}$ cup.

   Ans. *Milk used to bake one cupcake is $\frac{1}{20}$ cup.*

---

2. Each day Annie ate $\frac{1}{4} \div 3 = \frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$ part of the cake.

   Ans. *Each day Annie ate $\frac{1}{12}$ part of the cake.*

---

3. Cheese required for making 5 pizzas will be $\frac{1}{10} \div 2 \times 5$

   $$\frac{1 \times 1}{10 \times 2} \times \frac{5}{1} = \frac{1}{4} \text{ pounds}$$

   Ans. *Cheese required for making 5 pizzas is $\frac{1}{4}$ pounds.*

---

4. Jane reads $\frac{1}{12}$ of 180 = 15 pages each day

   If, 15 pages are read in 1 day

   So, 180 pages will be read in $\frac{1}{15} \times 180 = 12$ days.

   Ans. *Jane will require12 days to read the book.*

---

5. Number of days required to build the house = $1 \div \frac{1}{15} = 1 \times 15$ days.

   Ans. *To build the house 15 days will be required.*