

Word Problems Worksheets

3. Jack, Jill, and Bill each carried a 48-ounce bucket full of water down the hill. By the time they reached the bottom, Jack's bucket was only $\frac{3}{4}$ full, Jill's was $\frac{2}{3}$ full, and Bill's was $\frac{1}{6}$ full. How much water did they spill altogether on their way down the hill?
4. Mrs. Diaz makes 5 dozen cookies for her class. One-ninth of her 27 students are absent the day she brings the cookies. If she shares the cookies equally among the students who are present, how many cookies will each student get?

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$$\text{Jack: } \frac{1}{4} \text{ of } 48 \text{ oz} = \frac{48}{4} \text{ oz} = 12 \text{ oz}$$

$$12 \text{ oz} + 16 \text{ oz} + 40 \text{ oz} = 68 \text{ oz}$$

$$\text{Jill: } \frac{1}{3} \text{ of } 48 \text{ oz} = \frac{48}{3} \text{ oz} = 16 \text{ oz}$$

$$\text{Bill: } \frac{5}{6} \text{ of } 48 \text{ oz} = \frac{240}{6} \text{ oz} = 40 \text{ oz}$$

Together they spilled 68 ounces.

4. Mrs. Diaz makes 5 dozen cookies for her class. One-ninth of her 27 students are absent the day she brings the cookies. If she shares the cookies equally among the students who are present, how many cookies will each student get?

$$\frac{1}{9} \text{ of } 27 = \frac{27}{9} = 3$$

$$27 - 3 = 24$$

24 students are present



$$24 \text{ units} = 60$$

$$1 \text{ unit} = \frac{60}{24} = \frac{5}{2} = 2 \frac{1}{2}$$

Each student gets $2 \frac{1}{2}$ cookies.