Lesson 10.3   Percent of a Number

Multiply.

1. 25% of $360 $= 90.00$ $\frac{25}{100}$ of 360 $\frac{25}{100} \times 360 = 90.00$	**2.** 75% of 24 hours $= 18$ hours $75\% \text{ of } 24 = 18$ $18/24 = 75\%$ $75\% \times 24 = 18$ hours
3. 60% of 160 km $= 96$ kilometers $60\% \times 160 = 96$ kilometers	**4.** 80% of 5,600 people $= 4,480$ people $80\% \times 5,600 = 4,480$ people
5. 45% of 8 kg $= 3.6$ kilograms $45\% \times 8 = 3.6$ kilograms	**6.** 30% of 2 L 370 mL $= 711$ mL $30\% \text{ of } 2,370 \text{ mL} =$ 711 mL

Name: _LO2_   **Date:** _4-12-2021_

Solve. Show your work.

7. Of the 480 flowers in a shop, 30% are lilies, 45% are orchids, and the rest are roses. How many roses are there in the shop?

45% of $480 = 216$ orchids   216
30% of $480 = 144$ lilies   +144
25% of $480 = 120$ roses   ———
                                                    360

480
-360
———
120

there are 120 roses in the shop.

8. Of the ⟨350⟩ students in a hall, 20% are girls. Then, ⟨50⟩ more girls entered the hall. Now, what percent of students in the hall are girls?

20% of $350 = 70$ girls   70
                                                    +50
                                                    ———
                                                    120

$120 = 120\%$

$120/350 = 34.3\%$

34.3% of the students in the hall are girls.

(marked in purple:) -1

$$\frac{120}{400} = \frac{30}{100} = 30\%$$