Chapter 8: Percentage

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- Q1. Find the value of each of the following:
- (c) Decrease 120 by 45%

Decrease =
$$\frac{9}{100} \times \frac{6}{100} \times \frac{120}{100} = \frac{11}{100} \times \frac{6}{100} \times \frac{120}{100} = \frac{11}{100} \times \frac{6}{100} = \frac{11}{100} \times \frac{120}{100} = \frac{11}{100} \times \frac{120}{100} = \frac{11}{100} \times \frac{120}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} \times \frac{11}{100} = \frac{11}{100} \times \frac{11$$

Q2. (d) The result of a number, when decreased by 20%, is 192. Find the number.

New value = 192

Percentage decrease = 20 %

Old value =?

We have, Old Value =
$$\frac{New \, Value}{Final \, Percent}$$

$$= \frac{192}{80/100}$$

$$= \frac{48}{80/100} = \frac{5}{100}$$

$$= \frac{192}{40} \times \frac{100}{80}$$

$$= 48 \times 5$$

$$= 240$$

Hence the old number is 240

Q9. If 10% is deducted from a bill, \$58.50 remains to be paid. How much is the original bill?

New Value= \$58.5

Percentage decrease = 10%

Old value =?

We have, Old Value =
$$\frac{New \, Value}{Final \, Percent}$$

$$= \frac{58.5}{90/100}$$

$$= 58.5 \, X \, \frac{100}{90}$$

$$= \frac{65}{10} \, X \, \frac{10}{9}$$

$$= 65$$

Hence the original bill is \$65