

Name: .....

Level 10  
Unit 26.1**Equations and their Solutions**Complete 2 pages (205 - 206) within  
6 minutes with > 95% accuracy.

Time Taken:..... Total Score:.....

**Example**

Laura earns 4.6 points out of a perfect 10. What is her percent of the total possible points?

Solution:

Suppose she obtained percent =  $x$

Then,  $x\%$  of 10 is 4.6

From proportion,  $\frac{x}{100} = \frac{4.6}{10}$

or,  $10x = 460$

or,  $x = 46$

So, Laura obtained 46%.

**Exercise**

1. Find the percent of each of the following. Express your answer in fraction or decimal.

a) \_\_\_\_\_% of 50 = 25

b) \_\_\_\_\_% of 30 = 30

c) \_\_\_\_\_% of 12 = 8

d) \_\_\_\_\_% of 200 = 130

e) \_\_\_\_\_% of 49 = 4.9

f) \_\_\_\_\_% of 92 = 23

## Equations and their Solutions

### Exercise

g) \_\_\_\_\_% of 44 = 11

h) \_\_\_\_\_% of 120 = 24

i) \_\_\_\_\_% of 25 = 10

j) \_\_\_\_\_% of 400 = 80

k) \_\_\_\_\_% of 990 = 99

l) \_\_\_\_\_% of 700 = 140

2. \$22 is what percent of \$66? Express your percent in a decimal or an integer.
  
  
  
  
  
  
  
  
  
  
3. What percent of 88 is 66?
  
  
  
  
  
  
  
  
  
  
4. Carlos collected 84 beads. Among them, 21 beads have double holes. What percent of the beads have double holes?