

GENERAL MATHEMATICS 11

Name of Learner: _____

Grade Level: _____

Section: _____

Score: _____

LEARNING ACTIVITY SHEET

ILLUSTRATE SIMPLE AND GENERAL ANNUITIES AND DISTINGUISH BETWEEN SIMPLE AND GENERAL ANNUITIES

Background Information for Learners

Annuity is a sequence of payments made at equal (fixed) intervals or periods of time.
Classification according to payment interval and interest period

- **Simple Annuity** – the payment interval is the same as the interest period
- **General Annuity** – the payment interval is not the same as the interest period

Learning Competency with code

The learner is able to (a) illustrate simple and general annuities; (b) distinguish between simple and general annuities (**M11GM-IIc-1-2, Quarter II**)

Directions/Instructions:

A. Fill in the blanks with the correct term.

Annuity
Ordinary annuity
General annuity
Simple annuity
Annuity certain

1. An annuity in which payments begin and end at definite times is a/an _____.
2. An annuity where the payment interval is the same as the interest period is a/an _____.
3. An annuity where the payment interval is not the same as the interest period is a/an _____.

4. A simple annuity in which the payments are made at the end of each period is a/an _____.

5. A sequence of payments made at equal periods is a/an _____.

B. Identify whether the given illustrates simple or general annuity.

1. A life insurance contribution paid monthly while the interest is compounded quarterly.

2. Your mom decided to join their office cooperative and agreed to contribute P1000 per month beginning in January 2020 which will earn 3% compounded monthly.

3. Your parents are planning to save for their retirement. To do this, they want to set aside a portion of their salaries and contribute monthly for their retirement funds which will earn 5% compounded quarterly.

4. Your eldest brother applied for a term life insurance. His contribution per year is P40 000 that earns 12% compounded monthly for 20 years.

5. A college educational plan earns 4% compounded quarterly and payments are made quarterly.

6. Your dad deposited all his retirement pay with bank C which will earn 4% compounded quarterly and he had an auto-credit arrangement of P20 000 per month.

7. Sir Eli deposits P10 000 on January 20, 2020 and had deposited the same amount on the same date every month. The China Bank credits 2.4% interest compounded annually to sir Eli's account.

8. Your teacher saves P5 000 every 6 months in a bank that pays 0.25% compounded monthly.

9. Mr Manuel would like to buy a TV set payable monthly for 6 months and interest is 9% compounded semi-annually.

10. To pay his debt at 12% compounded semi-annually, Jaysenn committed for 8 quarterly payments of P24,500.

Reflection

What I learned in this activity

References:

Orines, Fernando B. *Next Century Mathematics (General Mathematics)*. Phoenix Publishing House, Inc. 2016

Oronce, Orlando A. *General Mathematics*. Rex Book Store. 2016

Answer Key

A.

1. Annuity certain
2. Simple annuity
3. General annuity
4. Ordinary annuity
5. Annuity

B.

1. General annuity
2. Simple annuity
3. General annuity
4. General annuity
5. Simple annuity
6. General annuity
7. General annuity
8. General annuity
9. General annuity
10. General annuity