What's Going On?

Checking In

Minds on Unit Formulae

Action! Unit Skills and Concepts

Consolidation Get Ready!

Learning Goal - I will be ready for tomorrow's test!

Checking In

LGL

Expand the binomial below using Pascal's Triangle.

$$\frac{(4x - 3y)^4}{5} = \frac{(4x - 3y)^4}{5} + \frac{(4x)^3}{5} + \frac{($$

Minds on

Unit Formulae

Action!

Unit Skills and Concepts

Arithmetic and Geometric Sequences

You need to be able to:

- Determine general term given a and d (or r)
- Determine recursive formula given a and d (or r)
- Find any term in a sequence
- Determine a and d (or r) given two terms from a sequence
- Determine the number of terms in a sequence by rearranging the general term (ARITHMETIC)
- Represent growth and decay rates as r values (GEOMETRIC)

Action!

Unit Skills and Concepts

Mixed Sequences

You need to be able to:

- Use first and second differences to find patterns
- Divide differences to find subtle patterns in sequences
- Use patterns to determine successive terms in a sequence
- Write recursive formulas for patterned sequences
- Break up sequences involving fractions into a numerator component and a denominator component

Action!

Unit Skills and Concepts

Arithmetic and Geometric Series

You need to be able to:

Use the general term formula or patterning and
logic to solve for missing information

- Use series formulae to determine sums of series'

Action!

Unit Skills and Concepts

Pascal's Triangle

You need to be able to:

- Produce Pascal's Triangle
- Describe patterns in Pascal's Triangle
- Use Pascal's Triangle to expand binomials

Consolidation

Review Questions