What's Going On?

Checking In

Minds on The Basics

Action! Some Review Problems

Consolidation Review Homework

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

Minds on

Given the first 5 terms of a sequence (a, b, c, d, e)

a. How do you determine whether the sequence is arithmetic or geometric?

arithmetic: if $b-a = c-b = d-c = e-d$
(difference (d) is constant)

geometric: if $\frac{b}{a} = \frac{c}{b} = \frac{d}{c} = \frac{e}{d}$
(ratio (r) is constant)

b. If the sequence is arithmetic, how do you determine the 10th term without finding the general term?

$t_{10} = a +$ difference (9 times)

multiplication

c. If the sequence is geometric, how do you determine the 10th term without finding the general term?

$t_{10} = a \times r^9$

Action!

Some Review Problems

SEE SOLUTIONS IN PDF FILE

Consolidation

Review Questions

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3, 5, 8, 12, 15, 17, 18, 22