



Barbara Byrd-Bennett
Chief Executive Officer

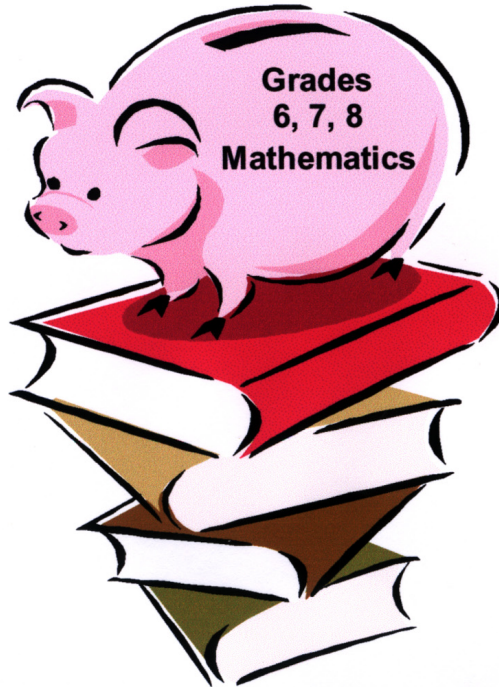
CASHING

IN ON

SUCCESS:



Myrna Elliott-Lewis
Chief Academic Officer



Frank DeTardo
Executive Director

Instructional
Technology
science
Mathematics
Education

A Bank of Questions for Proficiency Outcomes

Eighth Grade Mathematics

4. When the Jackson family left for Cleveland, the odometer on the traveling van read 8765.2 km. When they arrived in Cleveland, the odometer read 9382.07 km. During their stay in Cleveland, they drove 18.016 km. They returned home using the same route. What did the odometer of their traveling van read when the Jackson family returned home? Show your work. Round your answer to the nearest ones.

Answer. The odometer read 9400.086 km; rounded to the nearest one the answer is 9400 km.

x = odometer reading at start

y = odometer reading on arrival in Cleveland

z = distance driven in Cleveland

distance between home and Cleveland =

$$y - x$$

odometer reading leaving Cleveland =

$$y + z$$

odometer reading arriving home =

$$(y + z) + (y - x) = 2y + z - x$$