

Name: \_\_\_\_\_ MA2 due on October 11, 2022

**Uses math reasoning  
Action Situation  
S3-OP1-OP2-M1 (9)**

# Walk for a Good Cause

Evaluation criteria	Observable indicators corresponding to level				
	A	B	C	D	E
Analysis	30	24	18	12	6
Application	50	40	30	20	10
Justification	20	16	12	8	4

Three schools have decided to participate in a walkathon to raise money for their new community laboratory. Their goal is to walk a combined total of 800 km to raise \$10 000.

Here are the results for the three schools.

Sunshine School:

## Number of metres walked by Sunshine School students

	Cycle One	Cycle Two	Cycle Three
Number of students	90	78	67
Number of metres each student walked	500 m	1000 m	1500 m

Forest Hill School:

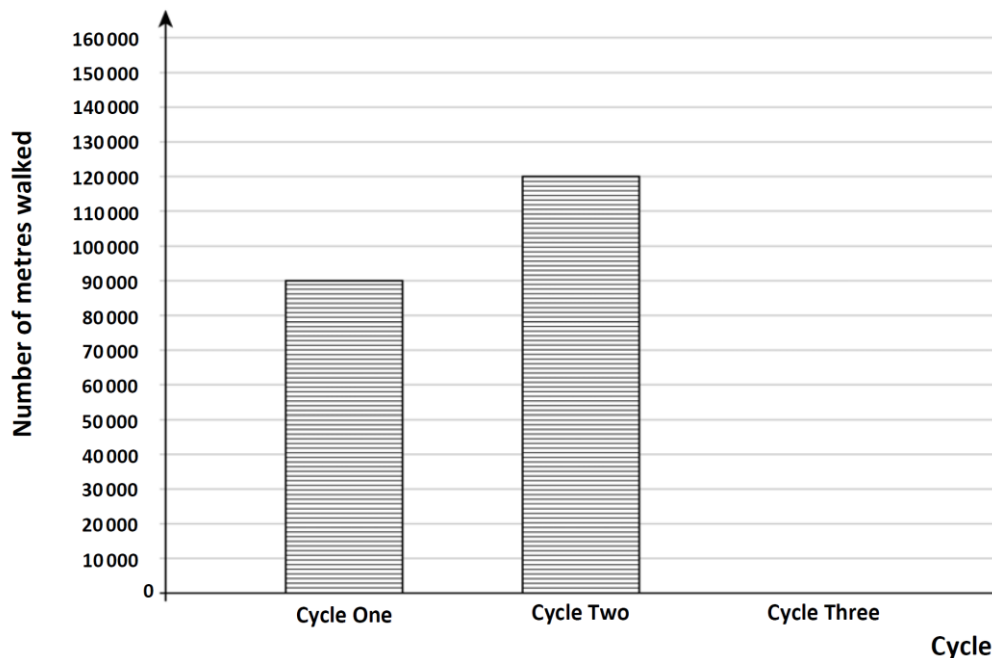
## Number of kilometres walked by Forest Hill School students



Legend  : 10 km

Mount Hero School:

### Number of metres walked by Mount Hero School students



Determine the number of kilometres that the Cycle Three students at Mount Hero School must walk in order for all the students to achieve their goal of a combined total of 800 km.

*My answer...*

Show all your work.

The Cycle Three students at Mount Hero School must walk \_\_\_\_\_ km in order for all the students to walk a combined total of 800 km.