

# Grade 9 EQAO Sample Question for Families

Please see below a EQAO digital math question and answer that you can work on with your child.

## Question

In some cities, people refer to distances when walking in terms of blocks. In a certain city, the length of one block is  $\frac{1}{8}$  of a mile.

**Hint:** 1 mile = 1609.3 m

which option is closest to the distance a person walks, **in meters**, if a person walks about 5 blocks?

- A 201 m
- B 625 m
- C 1006 m
- D 2575 m



## Correct Answer

In some cities, people refer to distances when walking in terms of blocks. In a certain city, the length of one block is  $\frac{1}{8}$  of a mile.

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## Helpful Tips:

1) Understand the question first:

- What do you know about  $\frac{1}{8}$ ?
- What is the part (e.g., one block) and what is the whole (e.g., one mile)?
- If 8 blocks is 1 mile, what would 4 blocks be?

Then:

1) The wording "Which option is closest?" indicates that an estimate would be sufficient. Estimating  $\frac{1}{8}$  of 1609m would be approximately 200m. If a person walks 5 blocks, they would walk approx.  $200\text{m} \times 5 = 1000\text{m}$ . A number line is a visual tool that can help to support understanding (See image).

2) We can think of  $\frac{1}{8}$  of 1609.3 as:

$$1609.3 \div 8 = 201.0375$$

Therefore,  $201.0375 \times 5 \text{ blocks} = 1005.1875\text{m}$

