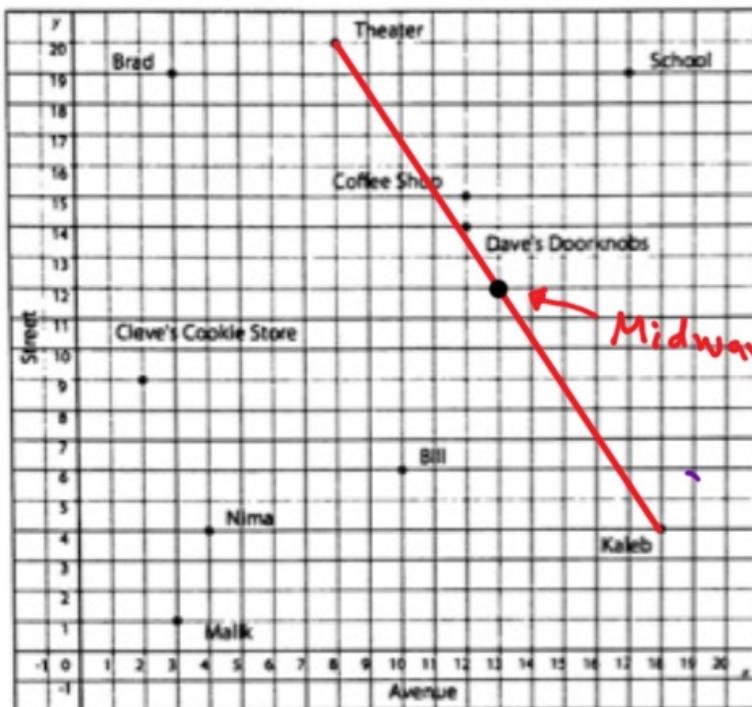


Math II

5.1.1 Big Question

Use the map and the information given to solve each problem that follows.



(Mr. Platts is selling oranges on this corner)

1. Luis works at a theater on 8th Avenue and 20th Street. Kaleb lives at the corner of 18th Avenue and 4th Street. What is a possible location that is midway between them?

$$(8, 20) \quad (18, 4) \quad \left(\frac{18+8}{2}, \frac{4+20}{2} \right) \rightarrow \left(\frac{26}{2}, \frac{24}{2} \right) \rightarrow (13, 12)$$

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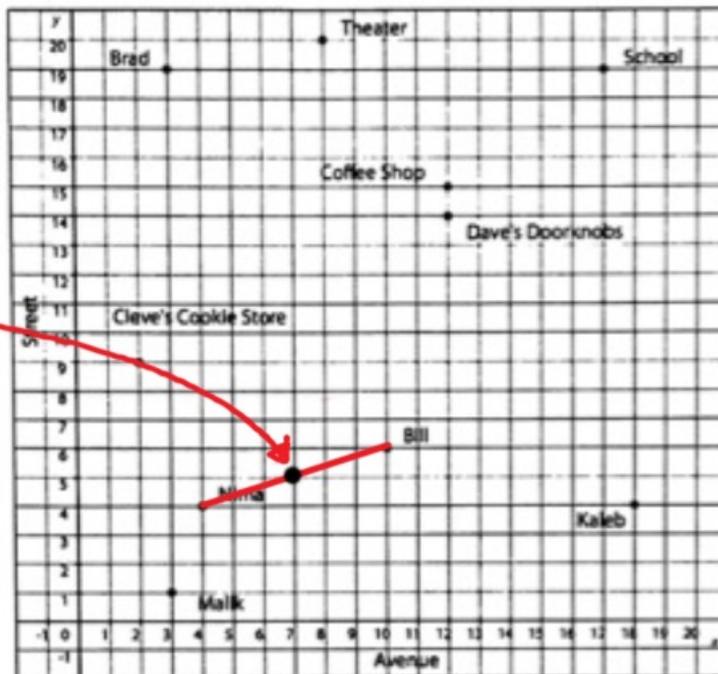


Math II

5.1.1 Big Question

Use the map and the information given to solve each problem that follows.

Mr. Plotts'
Bakery



2. Nima lives at the corner of 4th Avenue and 4th Street. Bill lives at the corner of 10th Avenue and 6th Street. Their favorite bakery is located midway between them. What is one possible location of the bakery?

$$(4, 4) (10, 6) \quad \left(\frac{10+4}{2}, \frac{6+4}{2} \right) \rightarrow \left(\frac{14}{2}, \frac{10}{2} \right) \rightarrow (7, 5)$$

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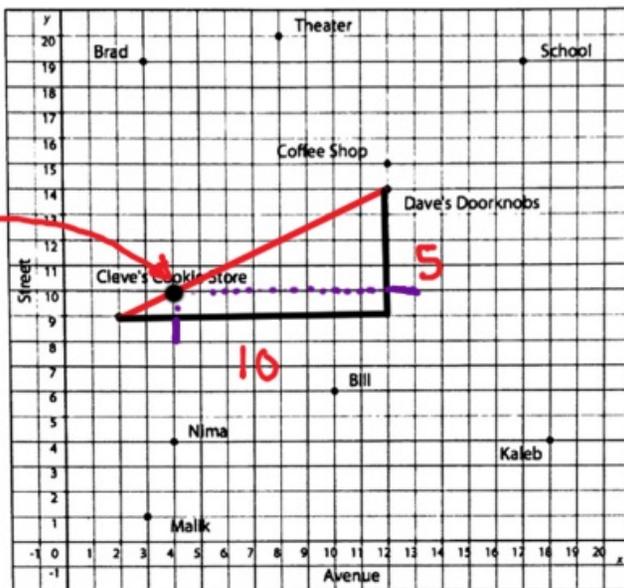


Math II

5.1.1 Big Question

Use the map and the information given to solve each problem that follows.

Mr Platt's
Post Office



3. Cleve's Cookie Store is located at the corner of 2nd Avenue and 9th Street. Dave's Doorknobs is located at the corner of 12th Avenue and 14th Street. Located $\frac{1}{5}$ of the distance from Cleve's Cookie Store is the post office. Where is the post office?

$$10 \cdot \frac{1}{5} = \frac{10}{5} = 2$$

$$5 \cdot \frac{1}{5} = \frac{5}{5} = 1$$

(4, 10)

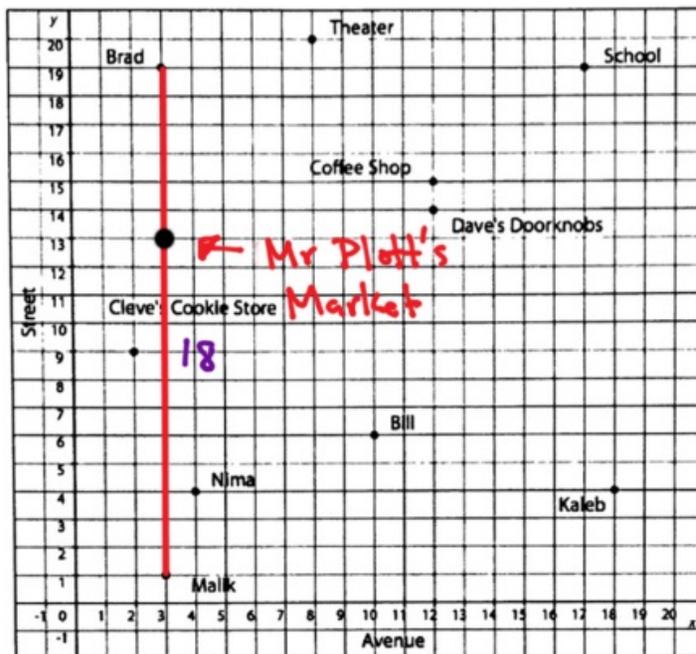
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Math II

5.1.1 Big Question

Use the map and the information given to solve each problem that follows.



4. Malik and Brad both live on 3rd Avenue. Malik lives at the corner of 1st Street, and Brad lives at the corner of 19th Street. $\frac{2}{3}$ the distance from Malik's apartment to Brad's apartment is a market. Where is the market?

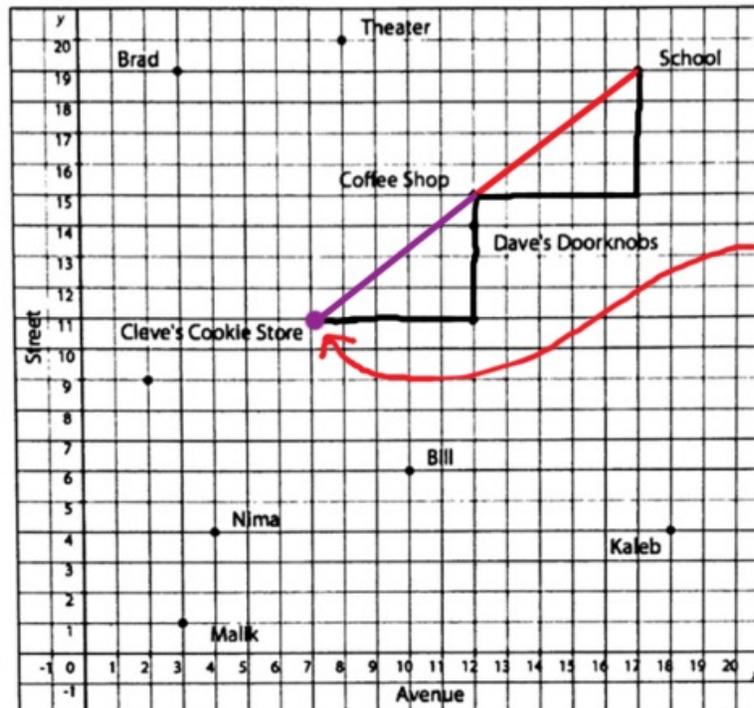
$$\frac{18}{1} \cdot \frac{2}{3} = \frac{36}{3} = 12$$

(3, 13)

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Use the map and the information given to solve each problem that follows.



MP
(12, 15)
EP
(17, 19)

Mr Plotts'
Bank is at
(7, 11)

5. The main entrance to the high school is located at the corner of 17th Avenue and 19th Street. On his way from school to the bank, Luis stops at the coffee shop located at 12th Avenue and 15th Street. The coffee shop is the midpoint of this trip. What is the location of the bank?

$$(12, 15) = \left(\frac{17 + x}{2}, \frac{19 + y}{2} \right) \rightarrow 2 \cdot \frac{17 + x}{2} = 12 \cdot 2 \quad 2 \cdot \frac{19 + y}{2} = 15 \cdot 2$$

$$17 + x = 24 \quad 19 + y = 30$$

$$\underline{-17} \quad \underline{-19}$$

$$x = 7 \quad y = 11$$

