
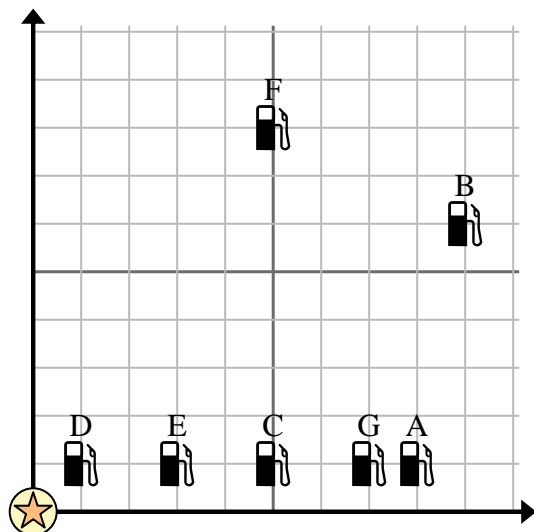




Use the grid to solve each problem.


 = Gas Station = Mall = 1 Square Mile

- 1) Investors wanted to build a new gas station, but wanted to make sure it was at least 2 miles from a pre-existing station. Should they build a gas station 5 miles east and 2 miles north of the mall?
- 2) Which gas station is closest to the mall?
- 3) Which gas station is furthest from the mall?
- 4) Which gas station is further east? Station C or Station A?
- 5) If you were to go 1 miles east and 1 miles north from the mall which gas station would you end up at?

**Answers**

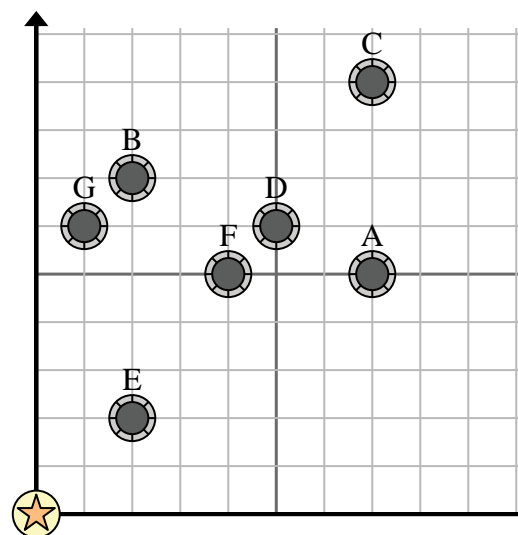
1. \_\_\_\_\_
2. \_\_\_\_\_
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9. \_\_\_\_\_
10. \_\_\_\_\_

- 6) A new law says you can't build a well within 2 miles a pre-existing well. If you wanted to build a well 3 miles east and 8 miles north of the water tower, would you be allowed to?

 = Well = Water Tower = 1 Square Mile

- 7) Which well is closest to the water tower?
- 8) Which well is furthest from the water tower?
- 9) Which well is further north? Well C or well G?

- 10) If you were to go 2 miles east and 7 miles north from the water tower which well would you end up at?





Use the grid to solve each problem.



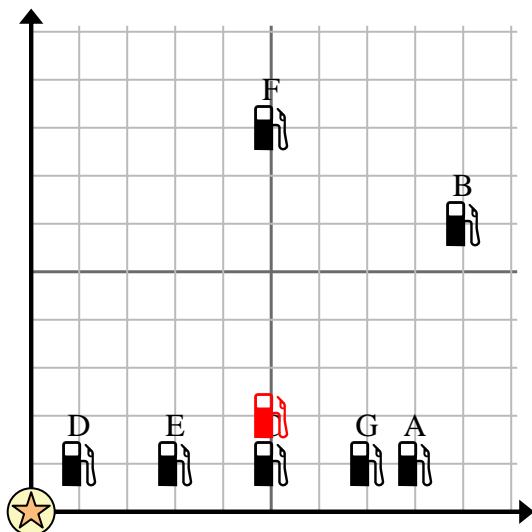
= Gas Station



= Mall



= 1 Square Mile



- Investors wanted to build a new gas station, but wanted to make sure it was at least 2 miles from a pre-existing station. Should they build a gas station 5 miles east and 2 miles north of the mall?
- Which gas station is closest to the mall?
- Which gas station is furthest from the mall?
- Which gas station is further east? Station C or Station A?
- If you were to go 1 miles east and 1 miles north from the mall which gas station would you end up at?

**Answers**

- no**
- D**
- B**
- A**
- D**
- no**
- E**
- C**
- C**
- B**

- A new law says you can't build a well within 2 miles a pre-existing well. If you wanted to build a well 3 miles east and 8 miles north of the water tower, would you be allowed to?



= Well

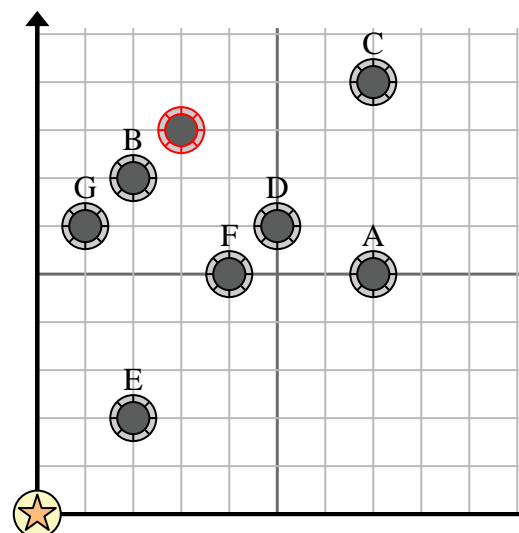


= Water Tower



= 1 Square Mile

- Which well is closest to the water tower?
- Which well is furthest from the water tower?
- Which well is further north? Well C or well G?



- If you were to go 2 miles east and 7 miles north from the water tower which well would you end up at?