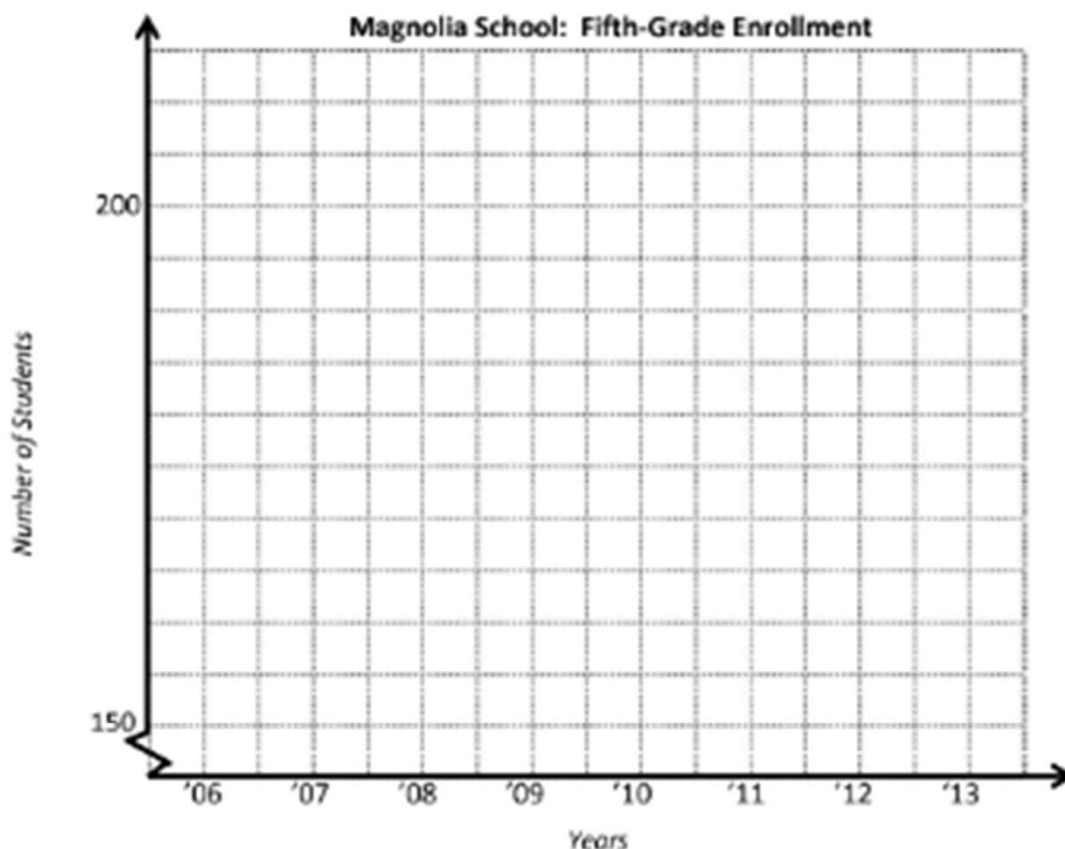


Line Graph Worksheets

Use the story context below to sketch a line graph. Then, answer the questions that follow.

The number of fifth-grade students attending Magnolia School has changed over time. The school opened in 2006 with 156 students in the fifth grade. The student population grew the same amount each year before reaching its largest class of 210 students in 2008. The following year, Magnolia lost one-seventh of its fifth graders. In 2010, the enrollment dropped to 154 students and remained constant in 2011. For the next two years, the enrollment grew by 7 students each year.



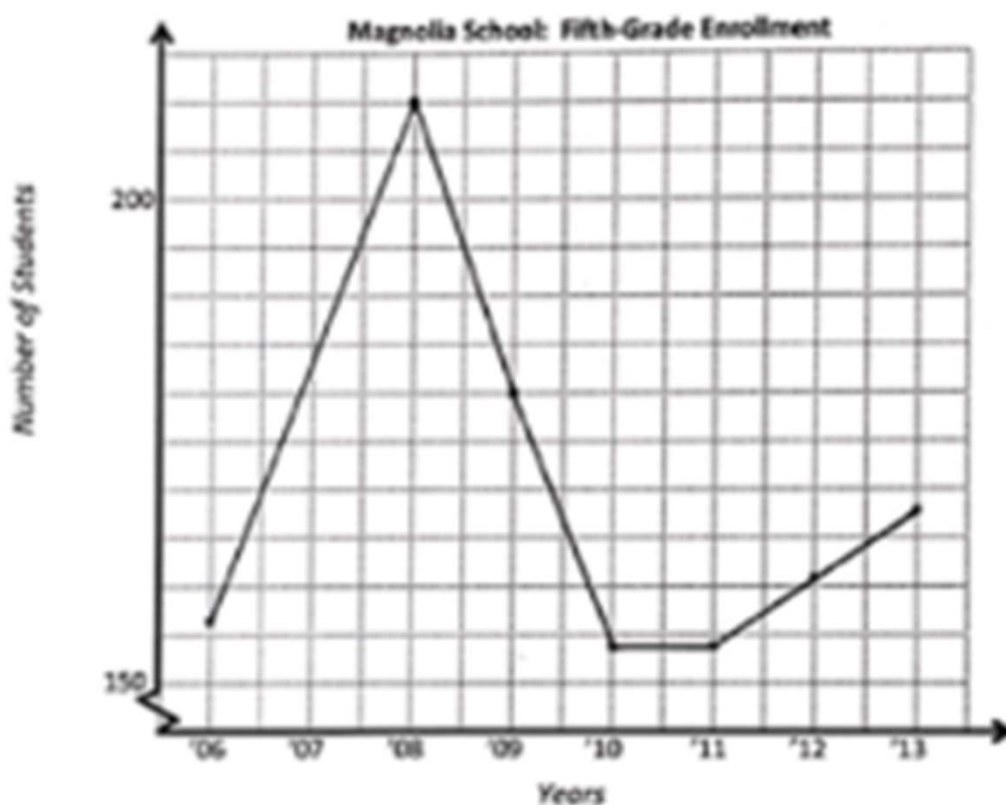
- How many more fifth-grade students attended Magnolia in 2009 than in 2013?
- Between which two consecutive years was there the greatest change in student population?
- If the fifth-grade population continues to grow in the same pattern as in 2012 and 2013, in what year will the number of students match 2008's enrollment?

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- a. How many more fifth-grade students attended Magnolia in 2009 than in 2013?

$$180 - 168 = 12 \quad \text{There are 12 more students in 2009.}$$

- b. Between which two consecutive years was there the greatest change in student population?

The greatest change occurred between 2008-2009, when the # of students dropped by 30.

- c. If the fifth-grade population continues to grow in the same pattern as in 2012 and 2013, in what year will the number of students match 2008's enrollment?

$$210 - 168 = 42$$
$$42 \div 7 = 6$$

IF the student population continues to grow by 7 students each year, it will reach 210 students again by 2019.