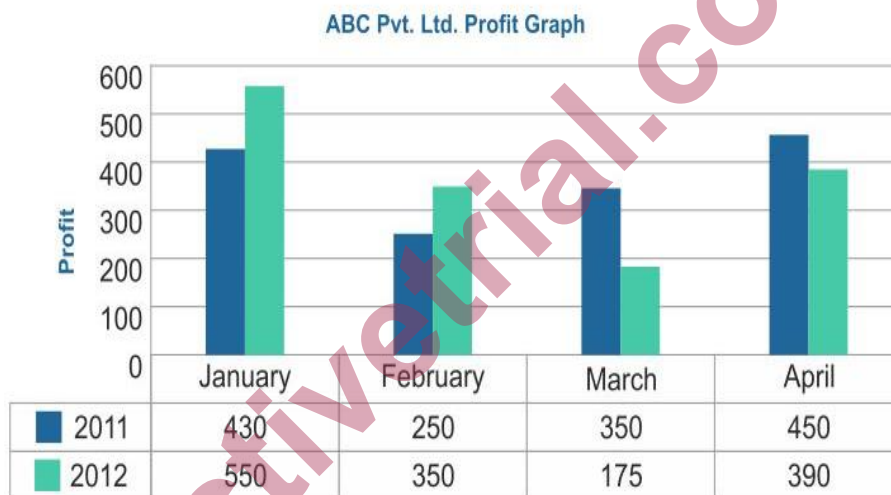**HAST SAMPLE Questions for Year 7**

- In a certain college in Sydney, 40% of the senior class students are taking Physics, 30% are taking calculus and 10% are taking both. If 40 students are enrolled in the senior class, how many students are taking neither Physics nor calculus?
  - a. 12 students.
  - b. 18 students.
  - c. 10 students.
  - d. 16 students.
  - e. 14 students.

ABC Pvt. Ltd. Profit Graph

	January	February	March	April
2011	430	250	350	450
2012	550	350	175	390

- The above graph was plotted from the above graph. Answer the following question after studying the graph.
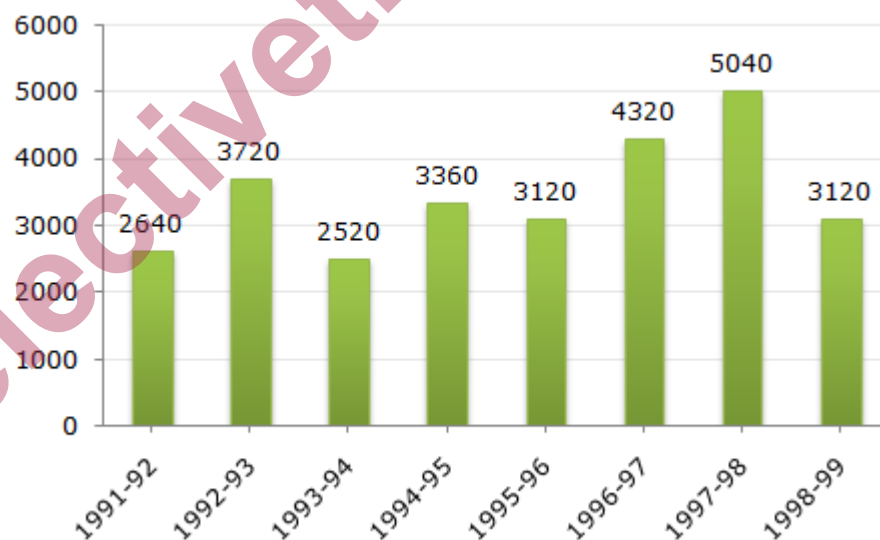
What is the difference in the profit percentage of March, 2012 and April, 2012?

  - a. 14.53%.
  - b. 20.34%.
  - c. 12.87%.
  - d. 18.60%.
  - e. 22.32%.

- Adrian bought 12 pens for $3.6 and 10 pencils for $2.2. He found that 5 out of 12 pens and 3 out of 10 pencils were defected. He went to exchange the defected pens and pencils. He was given another set of 8 pens and 5 pencils for the same price as that of the previous set in exchange of those defected pens and pencils. He returned the cost of the extra pens and pencils through cash. How much did he return to the shopkeeper in total?

  a. $16.0
  b. $18.1.
  c. $10.7.
  d. $12.8.
  e. $15.2.

- The bar graph given below shows the foreign exchange reserves of a country (in million US $) from 1991 - 1992 to 1998 - 1999.

Foreign Exchange Reserves Of a Country. (in million US $)

The foreign exchange reserves in 1996-97 were approximately what percent of the average foreign exchange reserves over the period under review?

  a.   95%
  b.   110%

c.   115%
d.   125%