



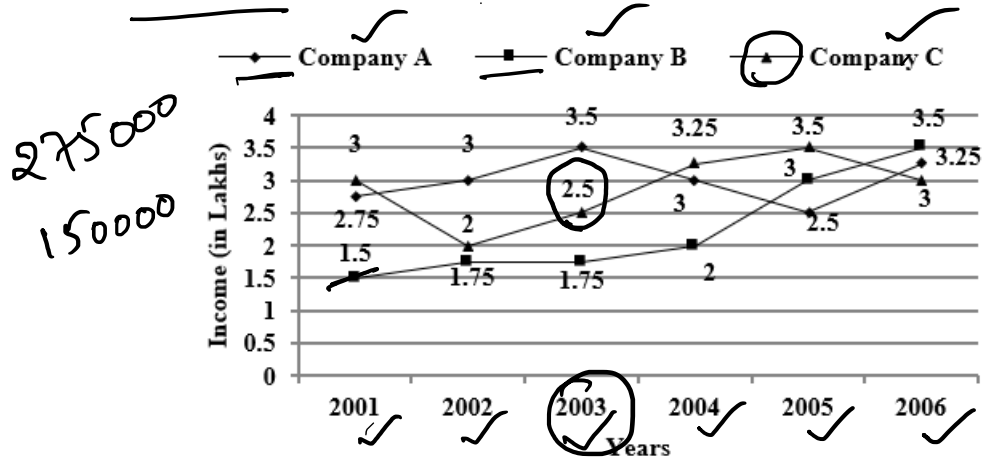
Data Interpretation



Directions: Study the following Line Graph and answer the questions given below.

Income (in lakhs) of three companies over the years.

Percent profit = $\left[\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \right] \times 100$



If the expenditure of Company C in 2003 was Rs. 1.75 lakh, what was its percent profit in that year? (rounded off to two digits after decimal)

a) 38.29%

b) 42.86%

c) 53.41%

d) 58.64%

e) None

$$P\% = \frac{I - E}{E} \times 100\%$$

$$\Rightarrow \boxed{\text{Exp } 100\%}$$

C → In 2.5 lakhs

Exp 1.75 "

$$P\% = \frac{250000 - 175000}{175000} \times 100\%$$

$$= \frac{375000}{175000} \times 100 = \frac{300}{7}\%$$

$$\approx \boxed{42.86\%}$$



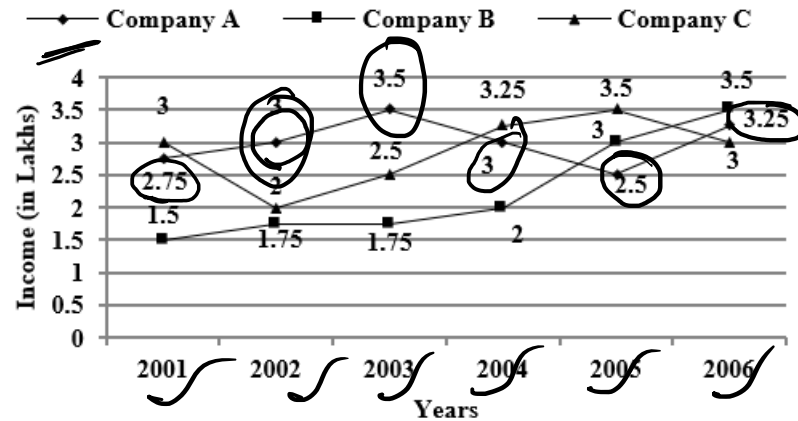
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$$\text{Avg} = \frac{\text{Sum of obs. (Total in Com A)}}{\text{No. of obs} \rightarrow \text{No. of yrs}}$$

$$\text{Avg} = \frac{1800000}{6}$$

$$\text{Avg} = 300000$$

$$\begin{array}{r} 275000 \\ 300000 \\ 350000 \\ 300000 \\ 250000 \\ \hline 1800000 \end{array}$$

What is the average income of Company A over the years?

~~a) Rs. 275000~~

~~b) Rs. 300000~~

~~c) Rs. 2750000~~

d) Rs. 300000

e) None



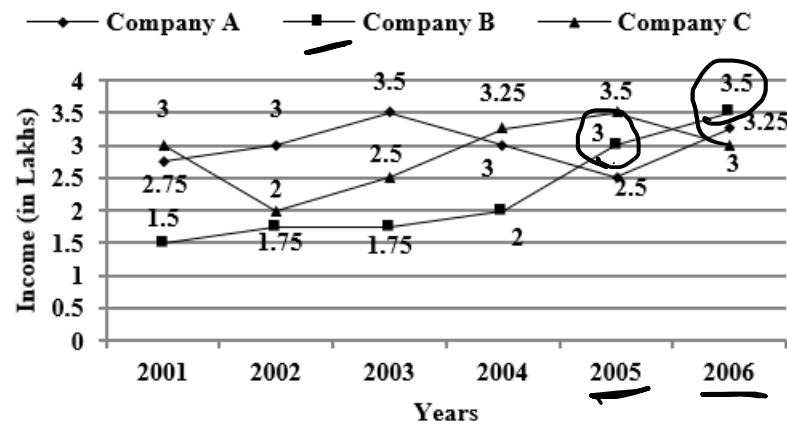
Data Interpretation



Directions: Study the following Line Graph and answer the questions given below.

Income (in lakhs) of three companies over the years.

Percent profit = $\left[\frac{(\text{Income} - \text{Expenditure})}{\text{Expenditure}} \right] \times 100$



What is the approximate percent increase in Income of Company B in the year 2006 from the previous year?

- a) 28% b) 11% **c) 17%**
d) 8% e) 21%

B
2005

B
2006

3 Lakhs - 3.5 lakh

$$\text{Appr. \% } \uparrow = \frac{\text{Diff.}}{\text{Less value}} \times 100\%$$

$$= \frac{50000}{300000} \times 100\% = 16 \frac{2}{3} \% \approx 17\%$$



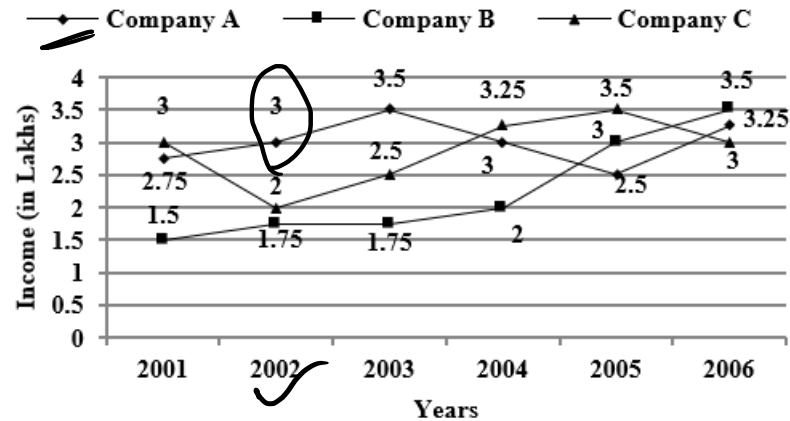
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Exp
100%

A
2002

Inc = 300000

Pro = 20%

Inc = 120% → 300000

Exp = 100% → ?

$$\frac{10000}{2500} \times \frac{300000}{120} \times 100$$

A, 2002 { Exp = 250000

If the percent profit of company A in the year 2002 was 20, what was its expenditure in that year?

a) Rs. 250000

b) Rs. 275000

c) Rs. 175000

d) Rs. 150000

e) None



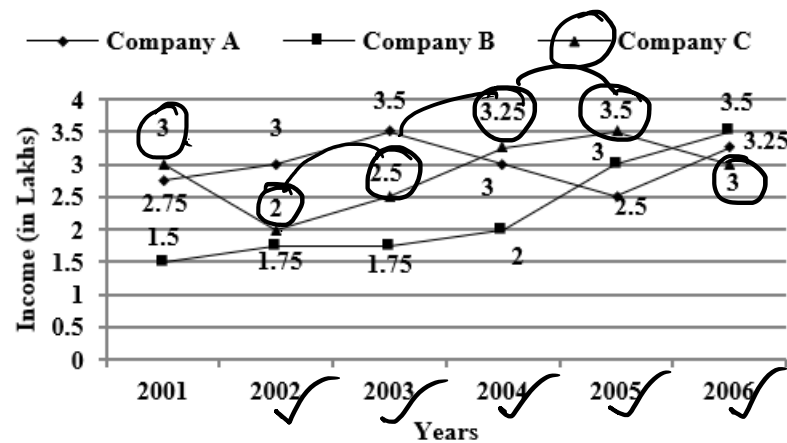
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Percent increase/ decrease in income of company C was highest for which year?

☒ a) 2002

☒ b) 2003

☒ c) 2004

☒ d) 2006

☒ e) None

In 6m C

↑/↓

Diff
pre

$$\frac{2002}{1 \times 3} = \frac{3 \times 3}{3 \times 3}$$

$$\downarrow \frac{3}{9}$$

$$\frac{2003}{0.5 \times 2} = \frac{2 \times 2}{2 \times 2}$$

$$\frac{2004}{0.75}{\text{ (crossed out) }} = \frac{2.5}{2.5}$$

$$\frac{2005}{0.25 \times 4}{\text{ (crossed out) }} = \frac{3.25}{13}$$

6mst nr