

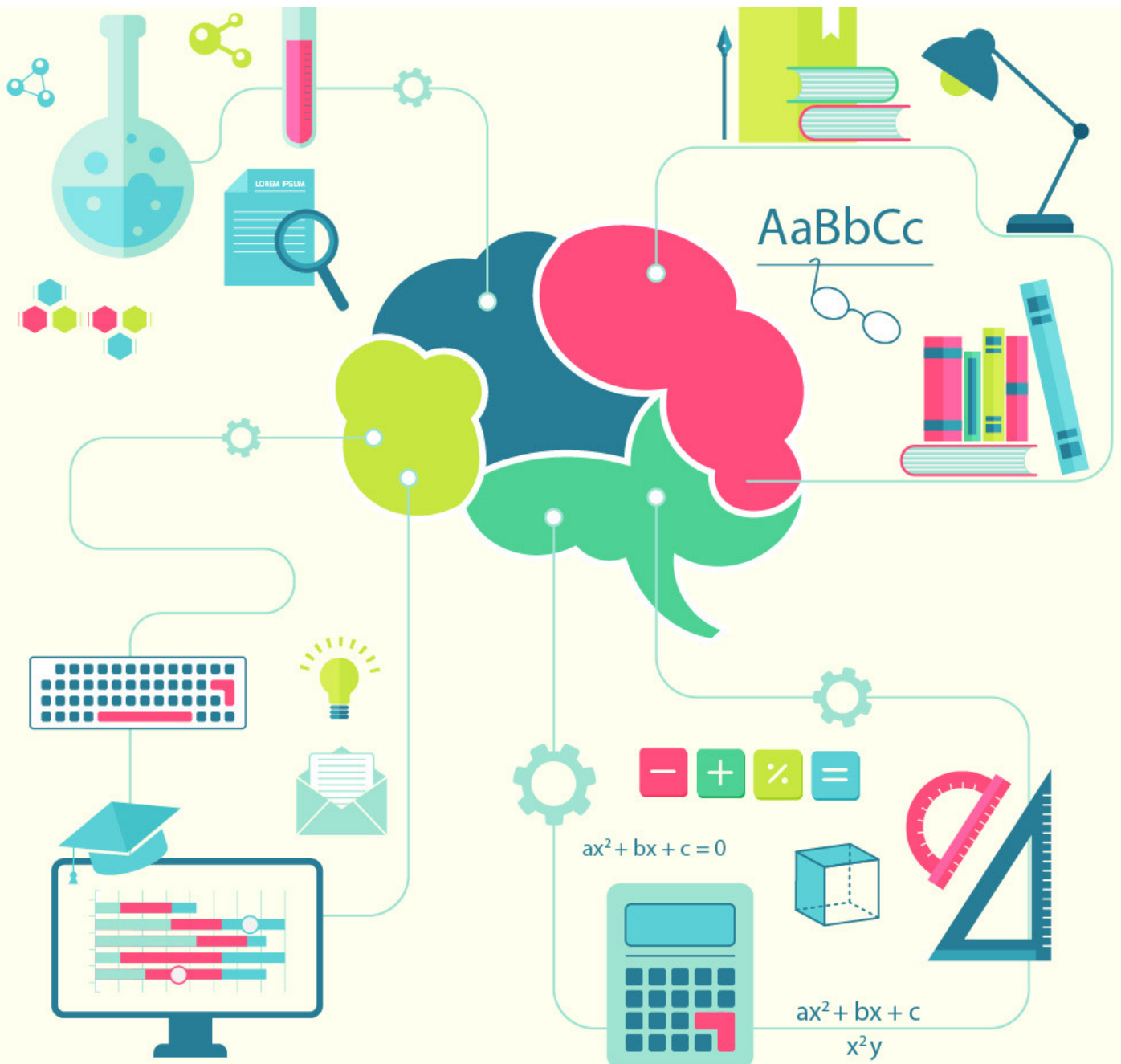
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Data Interpretation

Questions With Solutions For

Bank Clerk

27 Nov 2017





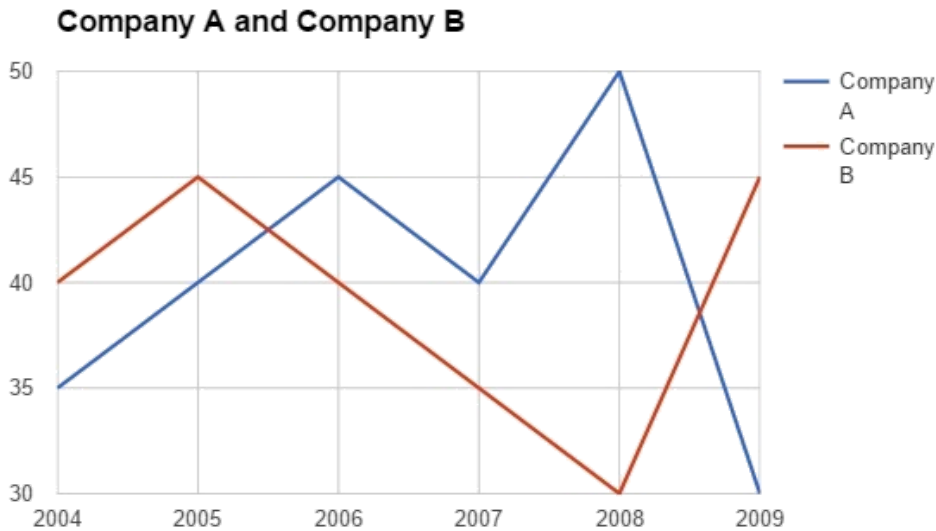
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Instructions:

Study the graph carefully to answer the questions that follow:

Per cent profit made by two companies over the years

Per cent profit = $\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$



Question 1:

If in the year 2004 the expenditures incurred by Company A and B were the same what was the ratio of the income of Company A to that company B in that year ?

- a) 27:28
- b) 14:23
- c) 13:19
- d) Cannot be determined
- e) None of these

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Question 2:

If the amount of profit earned by Company A in the year 2007 was Rs 1.5 lakhs what was its expenditure in that year ?

- a) Rs 1.96 lakhs
- b) Rs 2.64 lakhs
- c) Rs 1.27 lakhs
- d) Rs 3.75 lakhs
- e) None of these

Question 3:

What is the average per cent profit earned by Company B over all the years together ?

- a) 19
- b) 24
- c) 12
- d) 37
- e) None of these

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Question 4:

If in the year 2008 the incomes of both the companies A and B were the same what was the ratio of the expenditure of Company B in that year ?

- a) 21:25
- b) 7:9
- c) 13:15
- d) Cannot be determined
- e) None of these

Question 5:

What is the ratio of the amount of profit earned by Company A to that by company B in the year 2009?

- a) 2:3
- b) 4:7
- c) 11:15
- d) Cannot be determined
- e) None of these

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Solutions (1 to 5)

1) Answer (a)

Percentage profit by company A = 35%

Percentage profit by company B = 40%

Let expenditure be x

$$(\text{Income of A} - x)/x = 0.35$$

$$\text{Income of A} = 1.35x$$

$$(\text{Income of B} - x)/x = 0.4$$

$$\text{Income of B} = 1.4x$$

$$\text{Income of A}:\text{Income of B} = 1.35:1.4 = 27:28$$

2) Answer (d)

Amount of Profit = Income - Expenditure = 1.5 lakhs

Percentage of profit = 40%

$$1.5/x = 0.4$$

$$x = 3.75$$

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3) Answer (e)

Average percentage profit cannot be calculated because we do not know the individual income and expenditure of each year.

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4) Answer (c)

Percentage profits of both the companies A and B in 2008 = 50% and 30%

Let the incomes be x

$$(x - \text{Expenditure of A}) / \text{Expenditure of A} = 0.5$$

$$\text{Expenditure of A} = x / 1.5$$

$$(x - \text{Expenditure of B}) / \text{Expenditure of B} = 0.3$$

$$\text{Expenditure of B} = x / 1.3$$

$$\text{Ratio} = x / 1.5 : x / 1.3 = 13 : 15$$

5) Answer (d)

This answer is indetermined as we do not know the individual profits and expenditures of both the firms.

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