

The rates for Internet use offered by three companies are shown below.

- Company A: \$6.00 for every 90 minutes of use
- Company B: \$2.75 for every 45 minutes of use
- Company C: \$3.00 for every 60 minutes of use

Which company offers the lowest rate per minute?

Show your thinking.

hours

$$\$6.00 = 90$$

$$B \quad 45 \times 2 = 90$$

$$C \quad 60 \div 2 = 30 \times 3 = 90$$

$$C \quad \$3.00 \div 2 = 1.50 \times 3 = 4.50$$

$$B \quad \$2.75 \times 2 = \$5.50$$

Dollars

Company A

\$6.00

every

90 minute

Company B

\$5.50

every

90 minute

Company C

4.50

every

90 min

Company C has the lowest  
rate every 90 minutes.



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Which company offers the lowest rate per minute?

**Show your thinking.**

$$A = 0.066 \quad / \quad \$6.00 \div 90 \text{ mins} = 0.066 \text{ every minute}$$

$$B = 0.061 \quad / \quad \$2.75 \div 45 \text{ mins} = 0.061 \text{ every minute}$$

$$C = 0.05 \quad / \quad \$3.00 \div 60 \text{ mins} = 0.05 \text{ every minute}$$

Lowest rate <sup>↑</sup> per minute



- Company A: \$6.00 for every 90 minutes of use
- Company B: \$2.75 for every 45 minutes of use
- Company C: \$3.00 for every 60 minutes of use

Which company offers the lowest rate per minute?

Show your thinking.

Company A \$6.00 for every 90 mins

$$90 \div \$6.00 = \$15$$

Company B \$2.75 for every 45 mins

$$45 \div \$2.75 = \$16$$

Company C \$3.00 for every 60 mins

$$60 \div \$3.00 = \$20$$

Company A is cheaper



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**Show your thinking.**

Company A:  $6 \div 90 = 0.\overline{66} \rightarrow 6^d$  6¢ every minute

Company B:  $2.75 \div 45 = 0.06\overline{1}$  every minute is 61¢

Company C:  $3.00 \div 60 = 5^d$

5¢ for every minute

(per min)

Company A = 6¢

Company B = 61¢

Company C = 5¢

$\therefore$  Company C would be the best deal



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Which company offers the lowest rate per minute?

**Show your thinking.**

A)  $\$6.00 \div 90 \text{ min} = 0.06\bar{6} \rightarrow 7\text{¢}/\text{min}$

B)  $\$2.75 \div 45 \text{ min} = 0.061\bar{1}/\text{min}$

C)  $3.00 \div 60 \text{ min} = 0.05 \rightarrow 5\text{¢}/\text{min}$

So C is the lowest rate per minute.