

**Question:**

Average

If the value of  $16a + 16b = 672$ , what is the average of  $a$  and  $b$ ?

- 1 44
- 2 21
- 3 24
- 4 42

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**Explanation:**

$$16a + 16b = 672$$

$$\text{or, } 16(a + b) = 672$$

$$\therefore a + b = 672/16 = 42$$

$$\begin{aligned} \text{Required average} &= (a + b) / 2 \\ &= 42/2 = 21 \end{aligned}$$

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