

(I'm Overwhelmed) Arithmetic Progress Quiz #7 Solutions



Arithmetic Progress Quiz 7 Solutions - Version 2

John calculates the value of $a \div b$, where a and b are integers, to be $3\frac{5}{8}$. What could be the remainder of $a \div b$? =

Select all that apply.

- ☐ 2
☐ 4
☐ 7
☒ 10
☐ 12
☒ 15
☐ 18

$$5 \overline{) 19} = 3 \text{ r } 5$$

quotient remainder

$$5 \overline{) 19} = 3 \text{ r } \square$$

$$\square \overline{) 19} = 3 \text{ r } 5$$

remainder must be a multiple of 5

b must be a multiple of 8

$$\frac{5}{3} = 1 \text{ r } 2 = 1\frac{2}{3}$$

1 plus $\frac{2}{3}$

$$\frac{b}{8} = \frac{\square}{5}$$

$$8 \quad 5$$

$$16 \quad 10$$

$$24 \quad 15$$

$$32 \quad 20$$

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