

Please complete all 3 problems in practice #2.

prACTice 2

- Which of the following is divisible by 3 with no remainder?
A. 2,020 **B. 1,452** C. 3,133 D. 7,105 E. 4,225
- The concentration of a substance in a solution is 2×10^{-5} milligrams per milliliter. How many milligrams are in 3×10^8 milliliters?
A. 6×10^{-13} B. 5×10^{13} C. 5×10^3 D. 1×10^{-40}
E. 6×10^3
- If one leg of a right triangle is 6 centimeters long, and the other leg is 8 centimeters long, how long is the triangle's hypotenuse?
A. 10 B. $2\sqrt{7}$ C. 15 D. $5\sqrt{2}$ E. $6\sqrt{2}$

Evaluate: ① $8 \times 4 \div 2 - 1$

② $3 - 5(7 - 2)$

③ $(3 - 5)(7 - 2)$

~~$30 \text{ mL} \cdot \frac{2 \text{ mg}}{1 \text{ mL}} = 60 \text{ mg}$~~

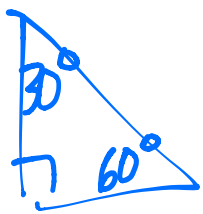
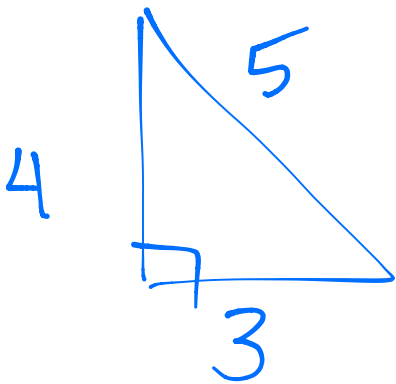
$2 \times 10^{-5} \cdot 3 \times 10^8$

$(2 \cdot 3) \cdot 10^{-5} \cdot 10^8$

$$6 \cdot 10^3$$

$$30\text{mL} \cdot \frac{1\text{mL}}{2\text{mg}}$$

$$\cancel{3\text{ft}} \cdot \frac{12\text{in}}{\cancel{1\text{ft}}}$$



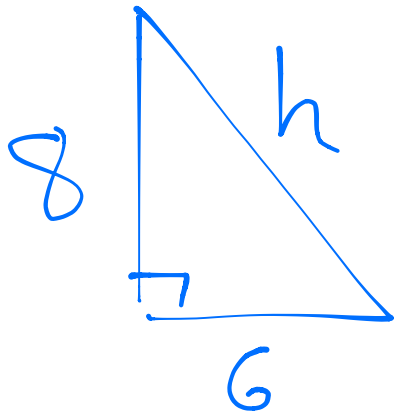
Pyth. Triples

$$3:4:5$$

$$5:12:13$$

$$7:24:25$$

$$8 : 15 : 17$$



$$6^2 + 8^2 = h^2$$

PENDAS

$$8 \times 4 \div 2 - 1$$

$$32 \div 2 - 1$$

$$16 - 1$$

$$\textcircled{15}$$

$$3-5(7-2)$$

$$3-5 \cdot 5$$

$$3-25$$

$$\textcircled{-22}$$

$$(3-5)(7-2)$$

$$-2 \cdot 5$$

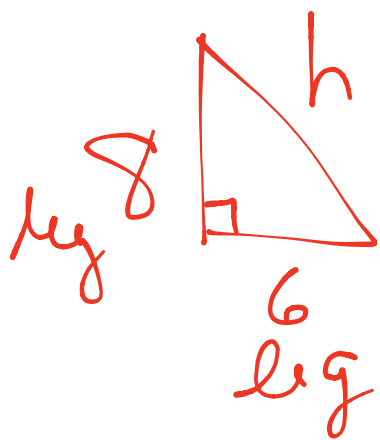
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$$2 \times 10^{-5} \frac{\text{mg}}{\text{mL}} \cdot 3 \times 10^8 \text{ mL}$$

$$2 \cdot 10^{-5} \cdot 3 \cdot 10^8 \text{ mg}$$

$$6 \cdot 10^{-5} \cdot 10^8$$

$$6 \cdot 10^3 \text{ mg}$$



$$\text{leg}^2 + \text{leg}^2 = \text{hyp}^2$$

$$6^2 + 8^2 = h^2$$

$$36 + 64 = h^2$$

$$100 = h^2$$

$$10 = h \text{ A}$$

Pythagorean Triples

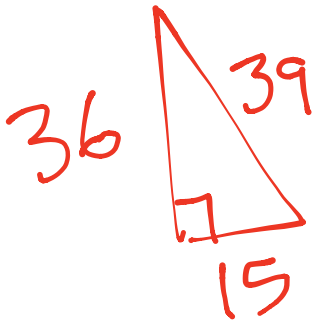
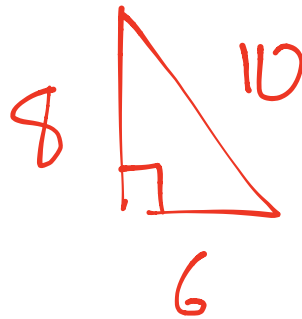
$$3:4:5$$

$$5:12:13$$

$$7:24:25$$

$$8:15:17$$

$$6:8:10$$



$$8 \times 4 \div 2 - 1$$

$$32 \div 2 - 1$$

$$16 - 1$$

$$\textcircled{15}$$

$$\textcircled{2} \quad 3 - 5(7 - 2)$$

$$3 - 5(5)$$

$$3 - 5 \times 5$$

$$3 - 25$$

$$\textcircled{-22}$$

$$\textcircled{3} \quad (3 - 5)(7 - 2)$$

$$(-2)(5)$$

$$\textcircled{-10}$$

HW

p. 8 : 5-35 odd,
39-49 odd