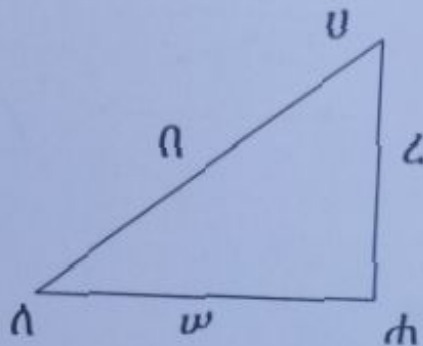


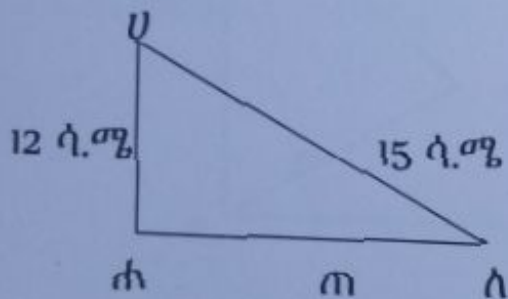
የፓይታጎራስ ቱርም 7.2 ቀጤ ዘዌ ጎን ሶስት  $\Delta$  ሀሊሐ ቁመቱ  $\overline{ሐመ}$  ወደ ሰያፍ ጎን  $\overline{ሀላ}$  የተሰመረ ነው፡፡

- የአንድ ቀጤ ጎን ሶስት የአከናዶቹ ርዝመት "w" እና "z" ዳግም ርቢ ጋር እ ኩል ነው፡፡

$$R^2 = w^2 + z^2$$

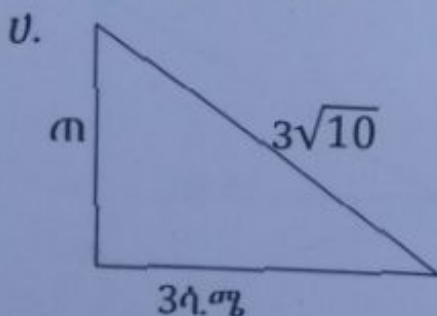


ምሳሌ:- 1 የአንድ ቀጤ ጎን ሶስት ሰያፍ ጎን ርዝመት 15 ሳ.ሜ እና የአንዱ አከናድ ርዝመት 12 ሳ.ሜ ከሆኑ የሁለተኛውን አከናድ ርዝመት ፈልጉ፡፡

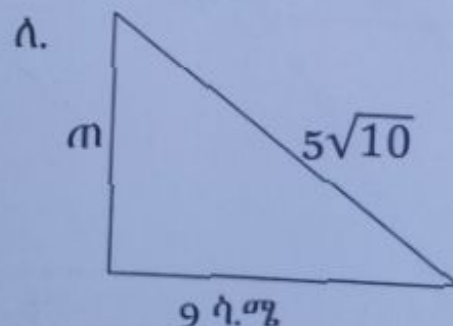


$$\begin{aligned} m^2 + (12 \text{ ሳ.ሜ})^2 &= (15 \text{ ሳ.ሜ})^2 \\ m^2 &= 225 \text{ ሳ.ሜ}^2 - 144 \text{ ሳ.ሜ}^2 \\ m &= \sqrt{81 \text{ ሳ.ሜ}^2} \\ m &= 9 \text{ ሳ.ሜ} \end{aligned}$$

ምሳሌ:- 3 ከዚህ በታች የተሠጡት  $\Delta$  መሠረ በ 'z' ላይ ቀጤ ዘዌ ከሆነ የተለዋዋጭ "m"ን ዋጋ ፈልጉ፡፡



$$\begin{aligned} m^2 + (3 \text{ ሳ.ሜ})^2 &= (3\sqrt{10})^2 \\ m^2 + 9 &= 90 \\ m^2 &= 90 - 9 \\ m &= \sqrt{81} = 9 \end{aligned}$$

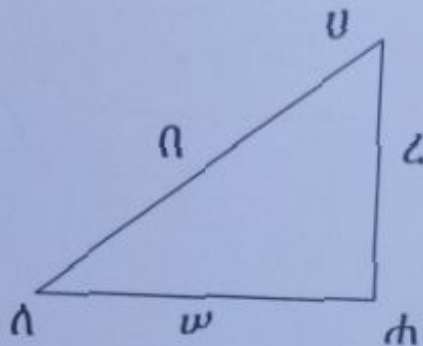


$$\begin{aligned} m^2 + (9 \text{ ሳ.ሜ})^2 &= (5\sqrt{10})^2 \\ m^2 &= 250 - 81 \\ m &= \sqrt{25 \times 10 - 81} \\ m &= \sqrt{169} = 13 \end{aligned}$$

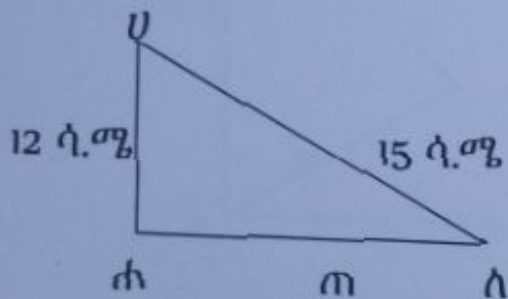
የፓይታጎራስ ቴሪም 7.2 ቀጤ ዘዌ ጎን ሶስት  $\Delta$ ሀለሐ ቁመቱ  $\overline{ሐመ}$  ወደ ሰያፍ ጎን  $\overline{ሀለ}$  የተሰመረ ነው።

- የአንድ ቀጤ ጎን ሶስት የአከናዶቹ ርዝመት "w" እና 'z' ዳግም ርቢ ጋር እ ኩል ነው።

$$R^2 = w^2 + z^2$$

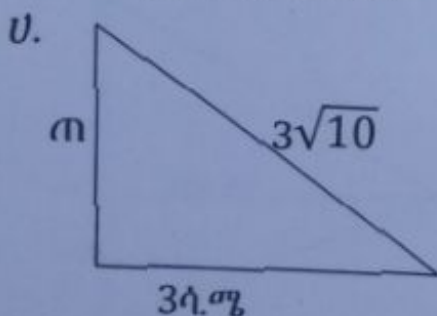


ምሳሌ:- 1 የአንድ ቀጤ ጎን ሶስት ሰያፍ ጎን ርዝመት 15 ሳ.ሜ እና የአንዱ አከናድ ርዝመት 12 ሳ.ሜ ከሆኑ የሁለተኛውን አከናድ ርዝመት ፈልጉ።

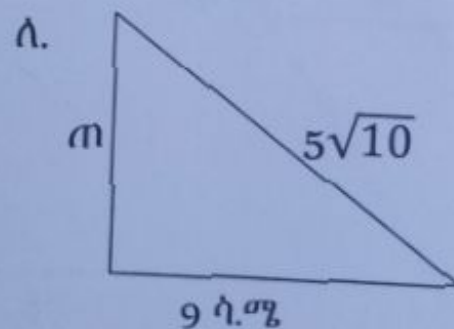


$$\begin{aligned} m^2 + (12 \text{ ሳ.ሜ})^2 &= (15 \text{ ሳ.ሜ})^2 \\ m^2 &= 225 \text{ ሳ.ሜ}^2 - 144 \text{ ሳ.ሜ}^2 \\ m &= \sqrt{81 \text{ ሳ.ሜ}^2} \\ m &= 9 \text{ ሳ.ሜ} \end{aligned}$$

ምሳሌ:- 3 ከዚህ በታች የተሠጡት  $\Delta$ መሠረ በ 'z' ላይ ቀጤ ዘዌ ከሆነ የተለዋዋጭ "m"ን ዋጋ ፈልጉ።



$$\begin{aligned} m^2 + (3 \text{ ሳ.ሜ})^2 &= (3\sqrt{10})^2 \\ m^2 + 9 &= 90 \\ m^2 &= 90 - 9 \\ m &= \sqrt{81} = 9 \end{aligned}$$

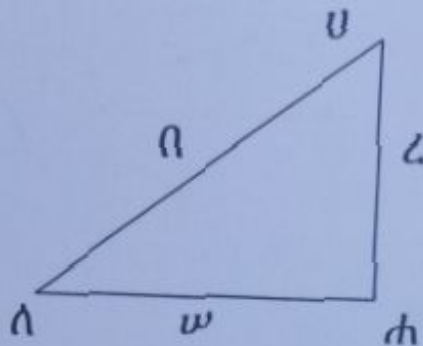


$$\begin{aligned} m^2 + (9 \text{ ሳ.ሜ})^2 &= (5\sqrt{10})^2 \\ m^2 &= 250 - 81 \\ m &= \sqrt{25 \times 10 - 81} \\ m &= \sqrt{169} = 13 \end{aligned}$$

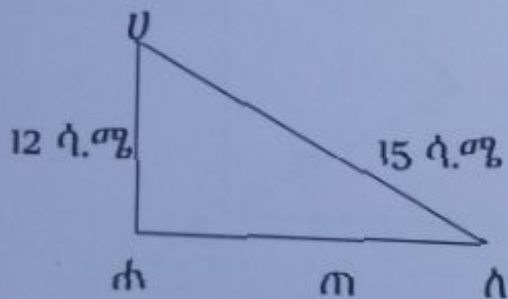
የፓይታጎራስ ቴሪም 7.2 ቀጤ ዘዌ ጎን ሶስት  $\Delta$ ሀለሐ ቁመቱ  $\overline{ሐመ}$  ወደ ሰያፍ ጎን  $\overline{ሀለ}$  የተሰመረ ነው።

- የአንድ ቀጤ ጎን ሶስት የአከናዶቹ ርዝመት "w" እና 'z' ዳግም ርቢ ጋር እ ኩል ነው።

$$R^2 = w^2 + z^2$$

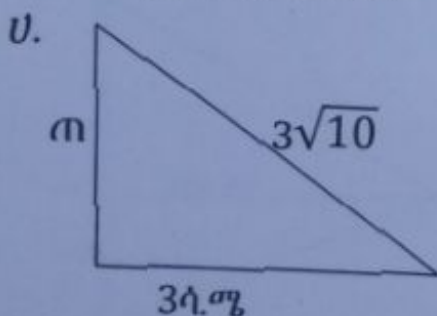


ምሳሌ:- 1 የአንድ ቀጤ ጎን ሶስት ሰያፍ ጎን ርዝመት 15 ሳ.ሜ እና የአንዱ አከናድ ርዝመት 12 ሳ.ሜ ከሆኑ የሁለተኛውን አከናድ ርዝመት ፈልጉ።

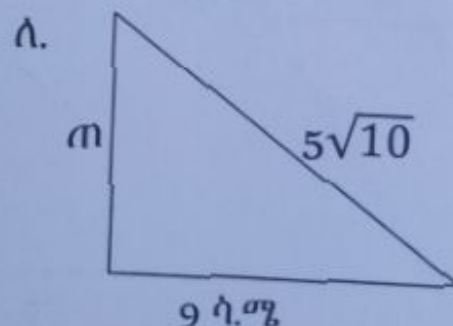


$$\begin{aligned} m^2 + (12 \text{ ሳ.ሜ})^2 &= (15 \text{ ሳ.ሜ})^2 \\ m^2 &= 225 \text{ ሳ.ሜ}^2 - 144 \text{ ሳ.ሜ}^2 \\ m &= \sqrt{81 \text{ ሳ.ሜ}^2} \\ m &= 9 \text{ ሳ.ሜ} \end{aligned}$$

ምሳሌ:- 3 ከዚህ በታች የተሠጡት  $\Delta$ መሠረ በ 'z' ላይ ቀጤ ዘዌ ከሆነ የተለዋዋጭ "m"ን ዋጋ ፈልጉ።



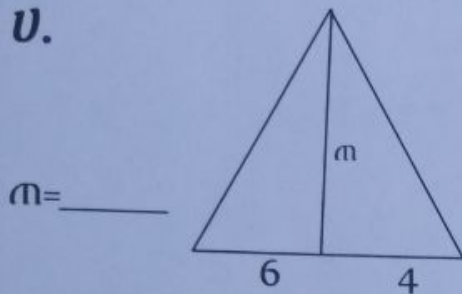
$$\begin{aligned} m^2 + (3 \text{ ሳ.ሜ})^2 &= (3\sqrt{10})^2 \\ m^2 + 9 &= 90 \\ m^2 &= 90 - 9 \\ m &= \sqrt{81} = 9 \end{aligned}$$



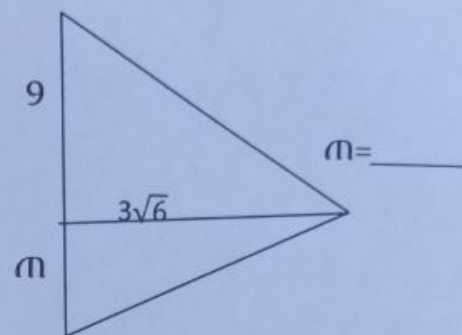
$$\begin{aligned} m^2 + (9 \text{ ሳ.ሜ})^2 &= (5\sqrt{10})^2 \\ m^2 &= 250 - 81 \\ m &= \sqrt{25 \times 10 - 81} \\ m &= \sqrt{169} = 13 \end{aligned}$$

ለሚከተሉት ፕሮቂዎች የተለዋዋጮቹን ዋጋ ፈልጉ::

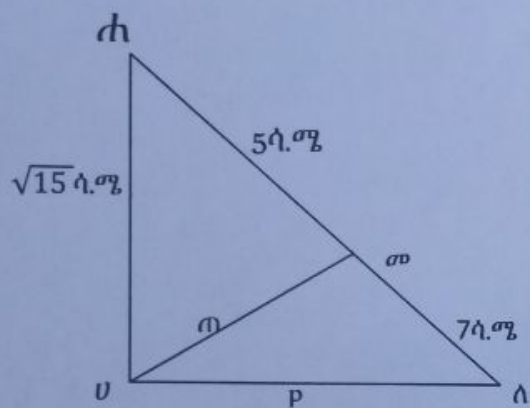
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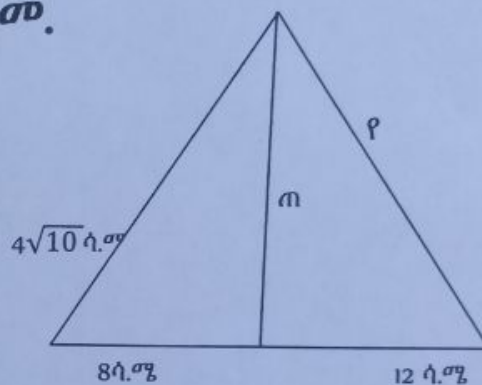
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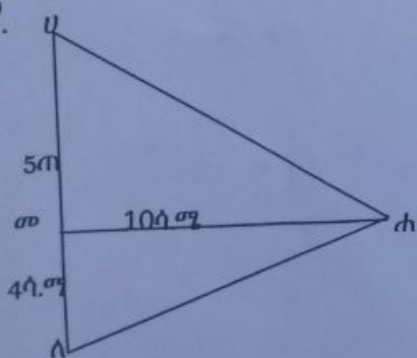
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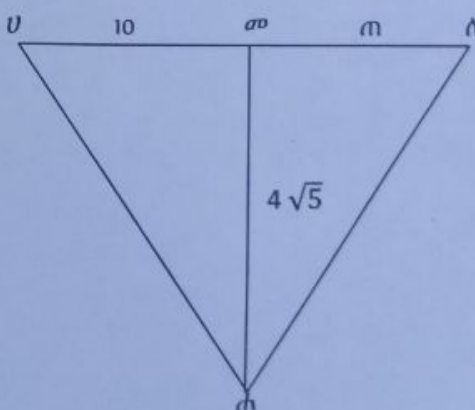
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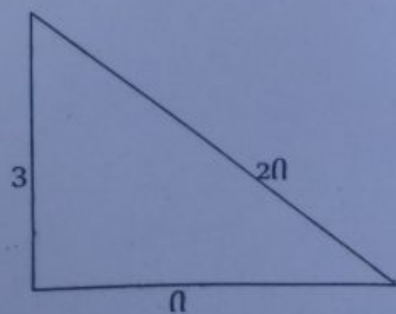
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