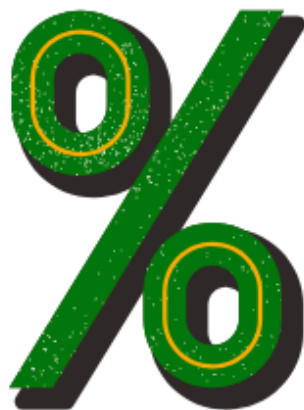# Problem of the week!

At the University of Bugelstein you can study Languages, History and Philosophy.

35% of students that study a language study English.

13% of all the university students study a language other than English.

No student studies more than one language.

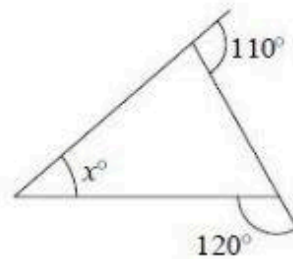What percentage of the university students study Languages?

Problem of the week!

What is the value of x in this triangle?

Problem Of The Week!

A swimming club has three categories of members: junior, senior, veteran. The ratio of junior to senior members is 3 : 2 and the ratio of senior members to veterans is 5 : 2.

Which of the following could be the total number of members in the swimming club?
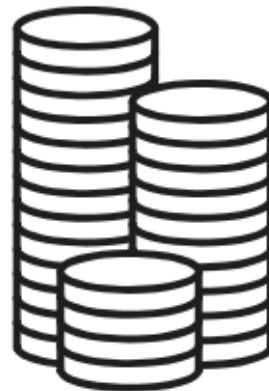
A: 30 B: 35 C: 48 D: 58 E: 60

Problem of the week!

Colin has a collection of more than 24 coins. When he puts the coins in piles of 6, there are 3 coins remaining. When he puts the coins in piles of 8, there are 7 coins remaining. How many coins remain when he puts the coins in piles of 24?

The solution will be posted online next Friday

Problem of the week!

Marta has collected 42 apples, 60 apricots and 90 cherries. She wants to divide them into identical piles using all of the fruit and then give a pile to some of her friends.

What is the largest number of piles she can make?

Problem of the week!

King Harry's arm is twice as long as his forearm, which is twice as long as his hand, which is twice as long as his middle finger, which is twice as long as his thumb.

His new bed is as long as four arms.

How many thumbs length is that?

Problem of the week!

In 2016, an earthworm from from Wigan named Dave wriggled into the record books as the largest found in the UK. Dave was 40 cm long and had a mass of 26 g.

What was Dave's mass per unit length?