MathFLIX CHALLENGE
Statistics: Mean or Average

Use the information to complete the table and answer each question.

Guest	# of Guests	Mean	Sum of Ages	Ages of Guests
?	**3**	**10**	**30**	**?**
Kevin	**4**	**10**	**40**	**10**
_____	___	___	___	___
_____	___	___	___	___
_____	___	___	___	___
_____	___	___	___	___
_____	___	___	___	___
_____	___	___	___	___

The COUNTDOWN teachers decided to throw a surprise birthday party for Mary. The mean age of the first 3 people to arrive is 10. Her son, Kevin, is the 4th guest to arrive. His arrival does not change the mean.   *How old is Kevin?* _____

Mary's daughter, Colleen, is the the 5th guest to arrive. Now the mean age of the guests is 9.   *How old is Colleen?* _____

Mary's oldest son, Matt, arrives and raises the mean age to 11. Now there are 6 guests at the party.   *How old is Matt?* _____

The 7th guest to arrive is Mary's son, Paddy, who is 18 years old.   *What is the mean age of the guests now?* _____

Mary's husband Ron is the 8th guest. When he arrives, the mean age changes to 16.   *How old is Ron?* _____

Katie is the 9th guest. Now Mary's children are all here. The mean age stays the same when Katie arrives.   *How old is Katie?* _____

Mary arrives at the surprise party and the mean age changes to 19.   *What birthday is Mary celebrating?* _____

• *What is the median age of Mary's family?* _____
• *What is the range in age for Mary's family?* _____
• *What is the mode for the age of Mary's family?* _____