

CED.1 and REI.1 Practice

Write an equation or inequality for each situation. Then solve. Be sure to give appropriate answers.

***If it is an inequality, write a sentence to explain your answer.***

1. At the assembly last week, some of the PV teachers did a flash mob. A student captured it on video and posted it online. Word just got around yesterday about her video. As of this morning there were already 98 views but it has been averaging 5 views an hour. In how many hours will there be more than 200 views?

2. Josh's sister is 16. That is 11 less than 3 times as old as he is. How old is Josh?

3. Miranda's parents decided to give a donation of \$150 to a local family who lost their house to a fire. Miranda decided to help out and donated  $\frac{1}{4}$  of what she had saved in her piggy bank. How much did Miranda have saved in her piggy bank if the family gave a total donation of \$235?

4. The sum of twice a number and eight is the same as four times the difference of thirteen and five times that number. What is the number?

5. Chatty Cathy can't seem to keep her mouth shut, so her teacher finally decided to do something about it. She told Cathy that for every time she talks out of turn, 2 points will be taken off her score. Today, Cathy started with a great score of 96 on her spelling test! How many times did Cathy get in trouble for being chatty if she left the class with a score of 84?

6. Ms. Risius and her students went scuba diving in Costa Rica and found a treasure chest filled with 14 beautiful necklaces. After taking it all to get appraised, they found out that their treasure was worth over \$103,000. The chest itself was worth 19,000. Assuming each necklace has the same value, how much was each necklace worth?

7. Twice the sum of three times a number and seven is equal to forty-four. What is the number?

8. Ben put in 250 miles of running over the summer. His goal is to run at least 1000 miles for the year. With 42 weeks left in the year, how many miles must he average per week in order to reach his goal?