

**For each problem, write a number sentence for the situation, then solve.**

1) Deborah decided to go snorkeling in the ocean. She dove into the water at a rate of 2 feet per second. She continued to dive for 20 seconds. What is her depth after 20 seconds?

2) Mike owed his grandmother \$50. He gave her \$22 that he got from his mother for mowing the lawn. How much does he now owe his grandmother?

3) The temperature in a city in Michigan gets as cold as  $-55^{\circ}\text{F}$  and as warm as  $88^{\circ}\text{F}$ . What is the distance between these two temperatures?

4) David owed a total of \$45 to 5 people. How much does he owe each person he owes the same amount to each person?

5) Create an equivalent expression by combining like terms:  $-4x + 7 + 10x - 12$

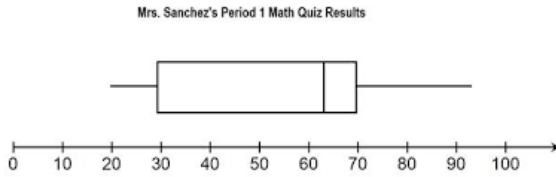
6)



The Ferris Wheel shown here has a radius of 20 meters. If a person gets on at the bottom, how many meters will she travel in one complete rotation?

7) You are getting your mom a very nice gift for Christmas and you need to put it into a box that is 10 inches tall, 4 inches wide, and 6 inches deep. How much wrapping paper will you need to cover the box?

8)



What is the IQR of this box plot?

9) In our class this year, we have learned about Geometry, Statistics, and Operations of Rational Numbers. What are you still confused about?

10) What have you really enjoyed about our class so far this year?