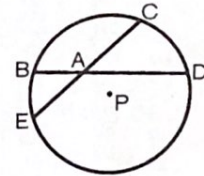




Warm-Up 3

51. _____ jelly beans All the jelly beans in Sammi's cup are red, yellow or orange. Five are red and seven are orange. If two-thirds are yellow, how many jelly beans are there in Sammi's cup?
52. _____ What is the value of the sum $0.49 + 0.53 + 0.55 + 0.47 + 0.48$? Express your answer as a decimal to the nearest hundredth.
53. _____ outfits If an outfit consists of jeans, a shirt, a sweater and a scarf, how many different outfits can Allie make from one pair of jeans, four shirts, three sweaters and two scarves?
54. _____ minutes Destiny can run one-eighth of a mile in three-quarters of a minute, and she can walk one-quarter of a mile in 4 minutes. How many minutes total will it take for Destiny to run one mile and then walk one mile?
55. _____ What is the value of $27^2 - 23^2$?

56. _____ units In circle P, two chords intersect at A, as shown, with $AB = 3$ units, $AC = 8$ units and $AD = 6$ units. What is the value of AE ? Express your answer as a mixed number.



57. _____ days Six people are invited to attend a five-day conference scheduled for Monday through Friday. Grace will attend only on Monday and Thursday. Becca will attend every day except Monday. Carmen will attend every day except Thursday. Davis will attend only on Thursday. Ernie will only attend either Thursday or Friday. Frank will attend every day except Monday and Wednesday. On how many days during the conference will at least three of these six people be in attendance?

58. _____ miles



The bus from Kevin's home to the middle school travels 8 miles west, then turns and travels 8 miles north, then turns and travels 7 miles west to arrive at school. If the bus were able to travel directly from Kevin's house to the middle school along a straight path, how much shorter would the trip be?

59. _____ When twenty-one-and-a-half trillion is written in scientific notation, what is the exponent needed on the base of 10?
60. _____ diagonals If a polygon has 17 sides, how many diagonals does it have?