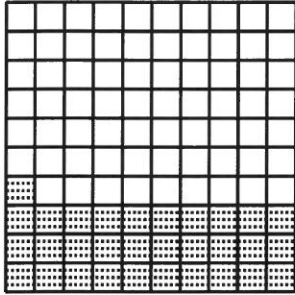
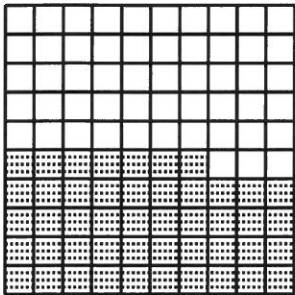


**Calculate each fraction as a percent.**

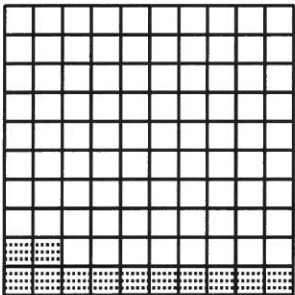
1. What percent of the square is shaded?



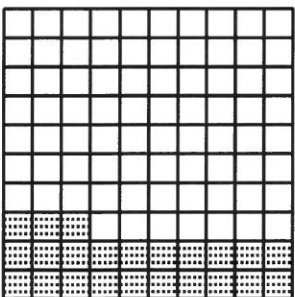
2. What percent of the square is shaded?



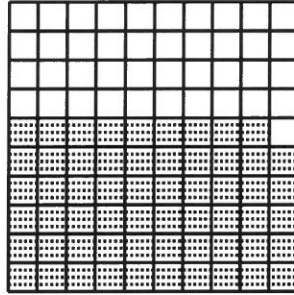
3. What percent of the square is shaded?



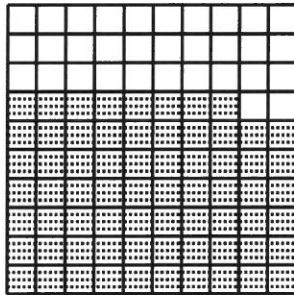
4. What percent of the square is shaded?



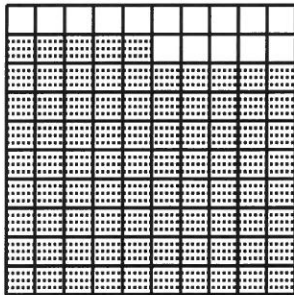
5. What percent of the square is shaded?



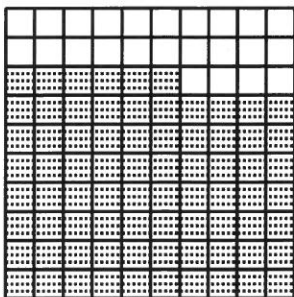
6. What percent of the square is shaded?



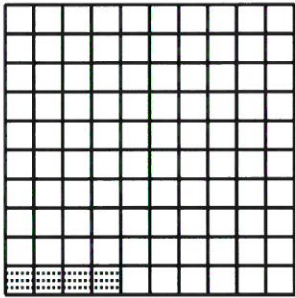
7. What percent of the square is shaded?



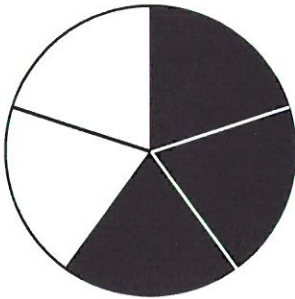
8. What percent of the square is shaded?



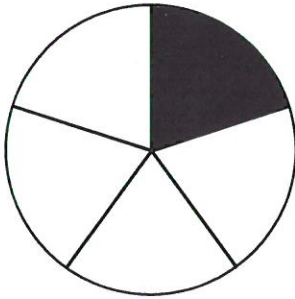
9. What percent of the square is shaded?



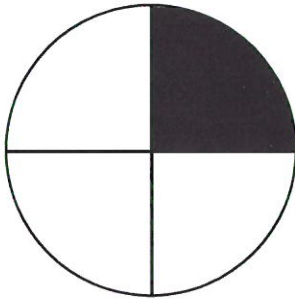
11. What percent of the circle is *not* shaded?



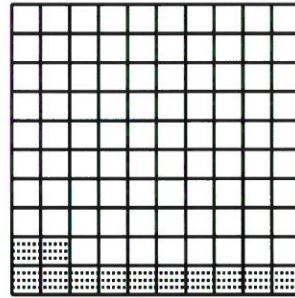
12. What percent of the circle is *not* shaded?



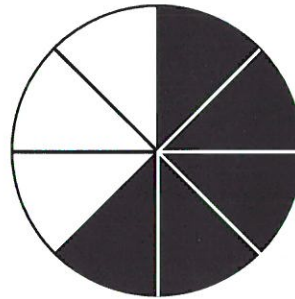
13. What percent of the circle is *not* shaded?



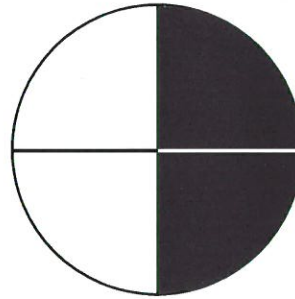
10. What percent of the square is shaded?



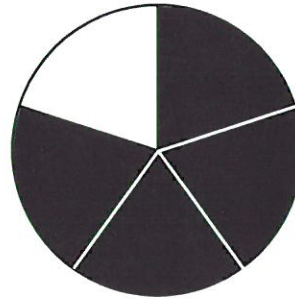
14. What percent of the circle is *not* shaded?



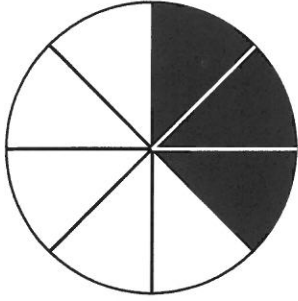
15. What percent of the circle is *not* shaded?



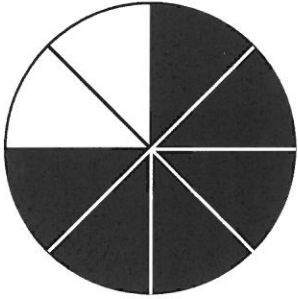
16. What percent of the circle is *not* shaded?



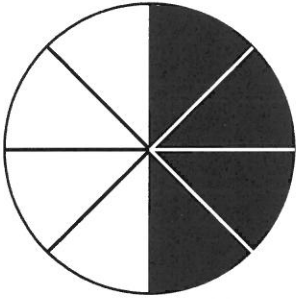
17. What percent of the circle is *not* shaded?



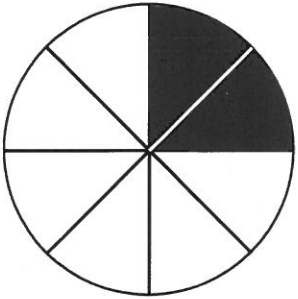
18. What percent of the circle is *not* shaded?



19. What percent of the circle is *not* shaded?



20. What percent of the circle is *not* shaded?



21. Write 85% as a decimal.

22. Write 66% as a decimal.

23. Write 98% as a decimal.

24. Write 53% as a decimal.

25. Write 32% as a decimal.

26. Write 79% as a decimal.

27. Write 17% as a decimal.

28. Write 44% as a decimal.

29. Write 25% as a decimal.

30. Write 86% as a decimal.

31. Write 0.01 as a percent.

32. Write 0.06 as a percent.

33. Write 0.03 as a percent.

34. Write 0.05 as a percent.

35. Write 0.08 as a percent.

36. Write 0.07 as a percent.

37. Write 0.09 as a percent.

38. Write 0.02 as a percent.

39. Write 0.04 as a percent.

40. Write 0.01 as a percent.

41. What number should come next in the number pattern? 2, 5, 8, 11, ...

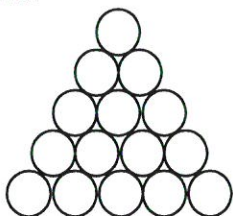
42. What number should come next in the number pattern? 0, 5, 10, 15, ...

43. What number should come next in the number pattern? 2, 6, 10, 14, ...

44. What number should come next in the number pattern? 0, 3, 6, 9, ...

45. What number should come next in the number pattern? 2, 7, 12, 17, ...

Use the display to answer the following questions.



46. A grocery clerk sets up a display of oranges in the form of a triangle using 9 oranges at the base and 1 at the top. How many oranges were used by the clerk to make the arrangement?

47. A grocery clerk sets up a display of oranges in the form of a triangle using 13 oranges at the base and 1 at the top. How many oranges were used by the clerk to make the arrangement?

48. A grocery clerk sets up a display of oranges in the form of a triangle using 12 oranges at the base and 1 at the top. How many oranges were used by the clerk to make the arrangement?

49. A grocery clerk sets up a display of oranges in the form of a triangle using 7 oranges at the base and 1 at the top. How many oranges were used by the clerk to make the arrangement?

50. A grocery clerk sets up a display of oranges in the form of a triangle using 11 oranges at the base and 1 at the top. How many oranges were used by the clerk to make the arrangement?

51. The first row in a theater has 14 seats, the second row has 18 seats, and the third row has 22 seats. If this pattern continues, how many seats will the eighth row have?

52. The first row in a theater has 8 seats, the second row has 14 seats, and the third row has 20 seats. If this pattern continues, how many seats will the sixth row have?

53. The first row in a theater has 10 seats, the second row has 18 seats, and the third row has 26 seats. If this pattern continues, how many seats will the seventh row have?

54. The first row in a theater has 16 seats, the second row has 20 seats, and the third row has 24 seats. If this pattern continues, how many seats will the eighth row have?

55. The first row in a theater has 12 seats, the second row has 18 seats, and the third row has 24 seats. If this pattern continues, how many seats will the seventh row have?

56. Peter is making up a banjo tune. He first played three E notes, then two A notes, then four D notes, and finally, three G notes. If he repeats this pattern of notes, what note will the 34th note be?

57. Zak is making up a banjo tune. He first played two E notes, then four A notes, then two D notes, and finally, one G note. If he repeats this pattern of notes, what note will the 19th note be?

58. Larry is making up a banjo tune. He first played one E note, then three A notes, then three D notes, and finally, four G notes. If he repeats this pattern of notes, what note will the 31st note be?

59. Tina is making up a banjo tune. She first played four E notes, then one A note, then one D note, and finally, two G notes. If she repeats this pattern of notes, what note will the 21st note be?

60. Elizabeth is making up a banjo tune. She first played three E notes, then two A notes, then four D notes, and finally, one G note. If she repeats this pattern of notes, what note will the 23rd note be?

**Find the probability if you rolled a single die.**

61) Find the probability of rolling a prime number.

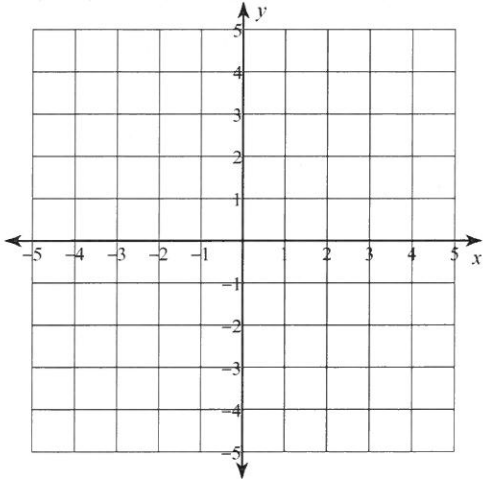
63) Find the probability of rolling factors of 8.

62) Find the probability of rolling a 5 or smaller.

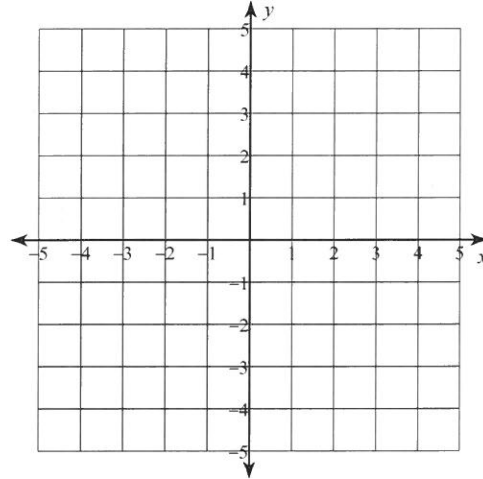
64) Find the probability of rolling a divisors of 6.

**State the quadrant or axis that each point lies in.**

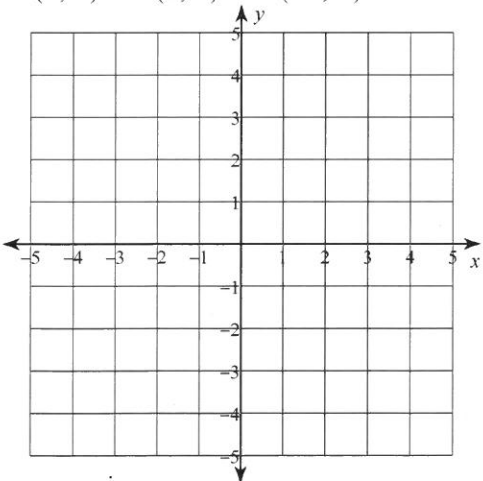
65)  $F(0, 1)$   $E(4, -1)$   $D(-5, 0)$



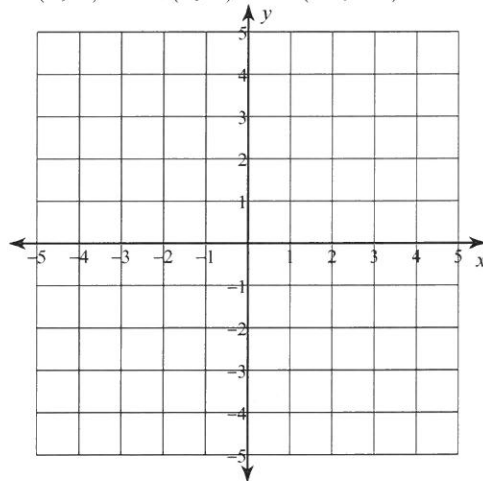
66)  $G(-4, 1)$   $F(2, -5)$   $E(-4, 4)$



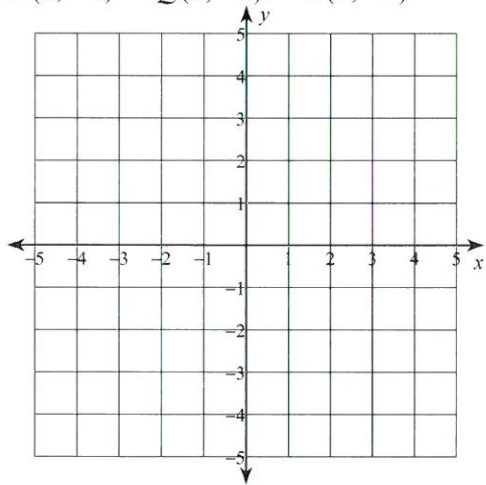
67)  $H(3, 2)$   $I(1, 4)$   $J(-5, 3)$



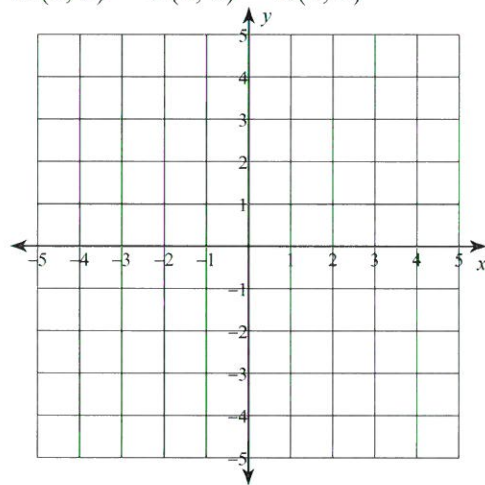
68)  $T(3, 5)$   $U(3, 4)$   $V(-1, -3)$



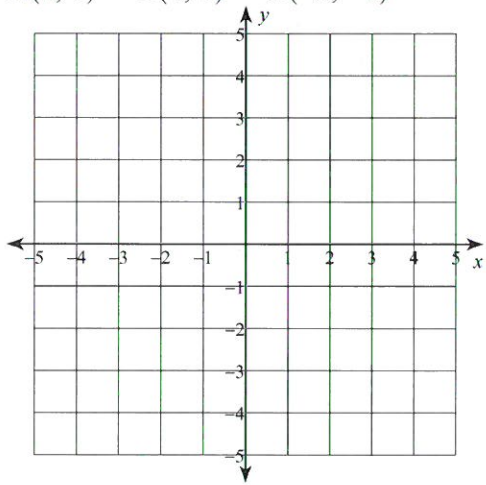
69)  $P(1, -2)$   $Q(3, -3)$   $R(2, -5)$



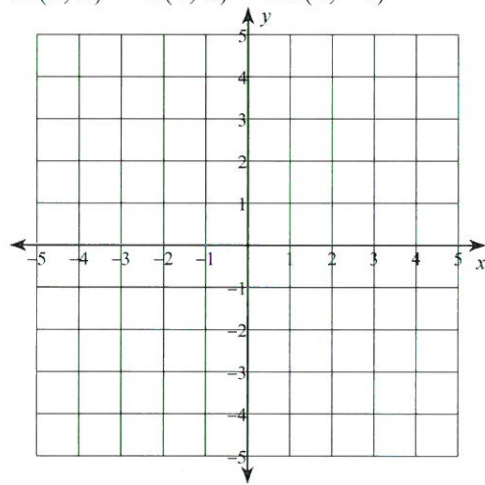
70)  $U(2, 3)$   $T(5, 2)$   $S(1, 0)$



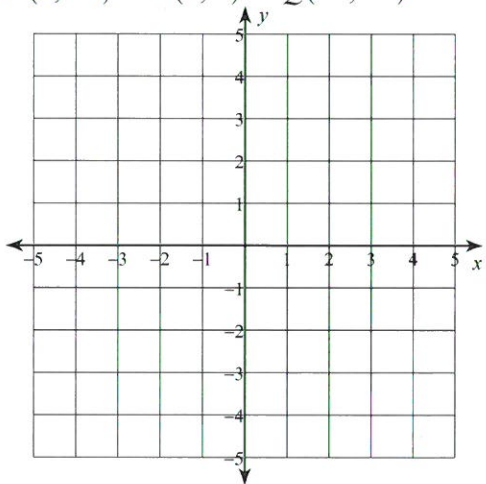
71)  $A(4, 0)$   $B(4, 1)$   $C(-3, -1)$



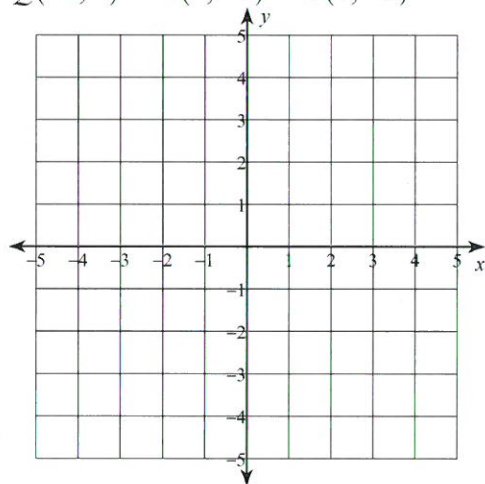
72)  $K(3, 2)$   $L(4, 3)$   $M(4, -1)$



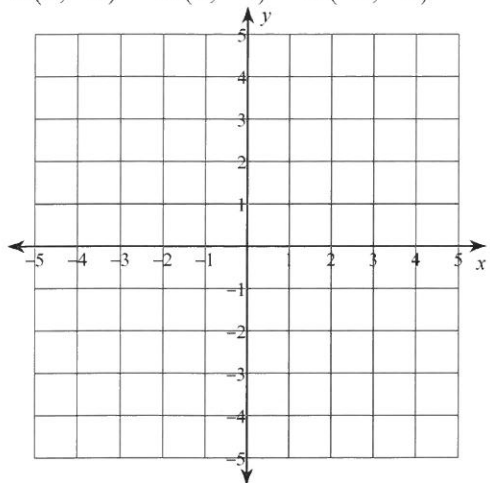
73)  $S(4, -4)$   $R(0, 4)$   $Q(-5, -2)$



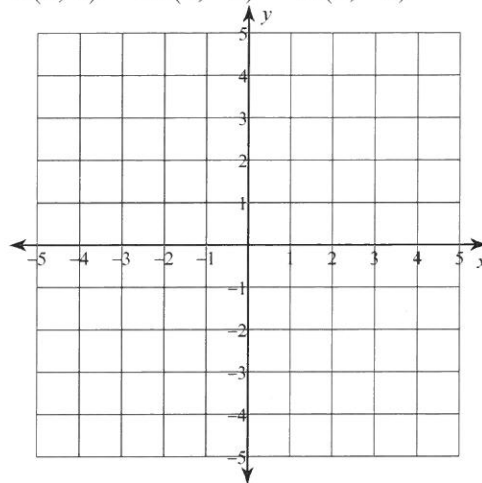
74)  $Q(-5, 4)$   $R(4, -3)$   $S(0, -2)$



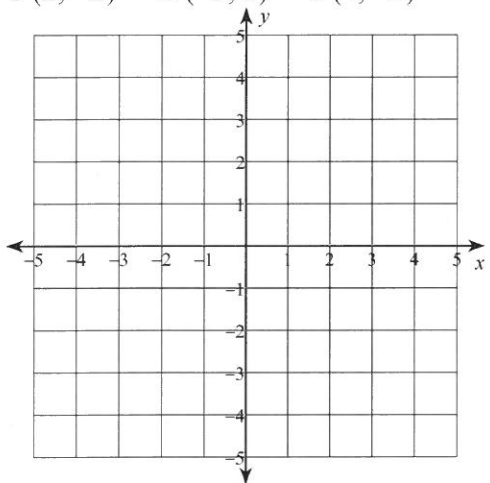
75)  $C(5, -5)$   $D(3, -1)$   $E(-4, -4)$



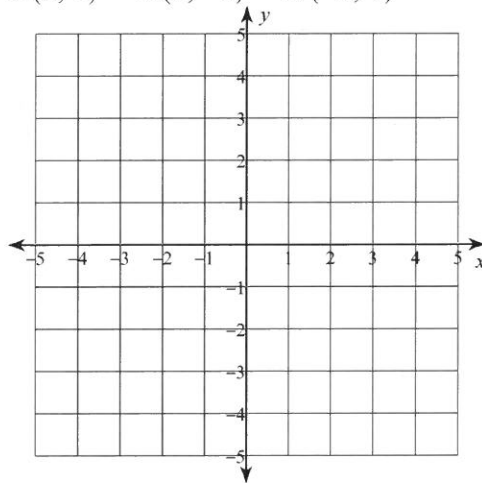
76)  $L(2, 0)$   $M(4, -5)$   $N(1, -3)$



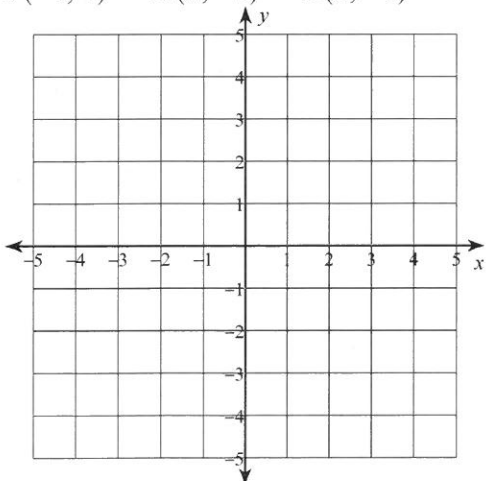
77)  $T(2, -2)$   $U(-3, 3)$   $V(4, -2)$



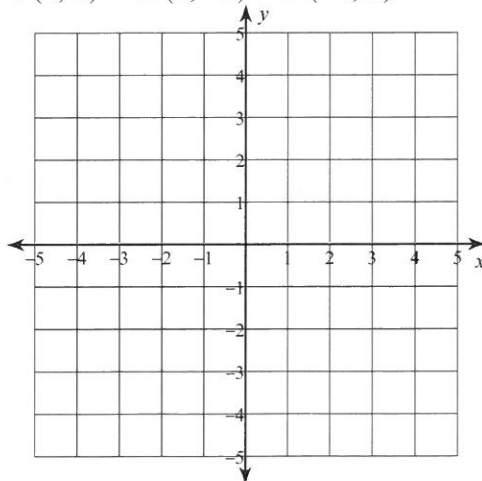
78)  $B(0, 1)$   $C(2, -1)$   $D(-3, 4)$



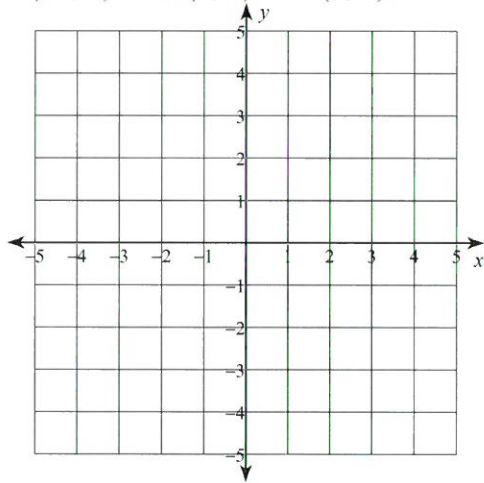
79)  $I(-4, 1)$   $H(3, -5)$   $G(5, -1)$



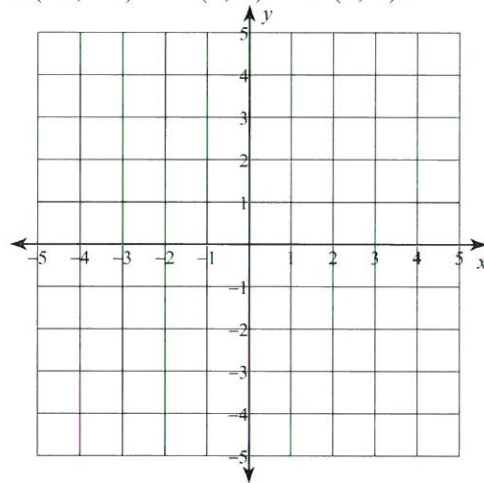
80)  $C(4, 0)$   $D(1, -2)$   $E(-4, 1)$



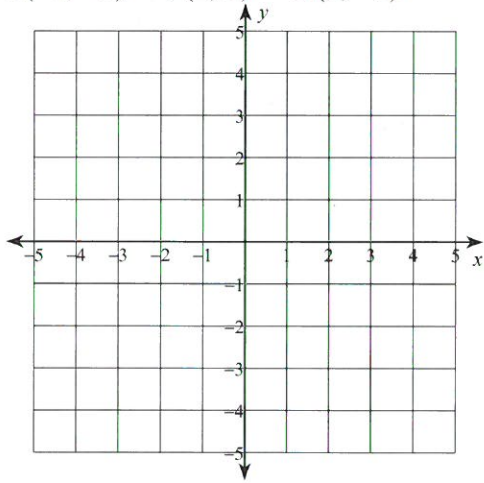
81)  $L(-2, 2)$   $M(1, 0)$   $N(5, 2)$



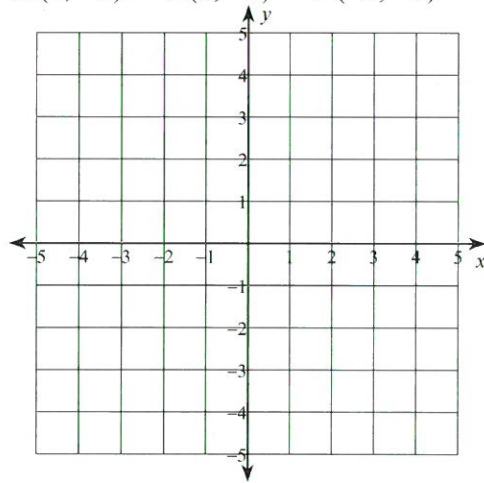
82)  $S(-3, -2)$   $T(2, 4)$   $U(1, 5)$



83)  $I(-2, -3)$   $J(2, 3)$   $K(5, -5)$



84)  $H(2, -5)$   $G(3, -5)$   $F(-5, -5)$





## Answer Key

[1] 31%	[23] 0.98
[2] 47%	[24] 0.53
[3] 12%	[25] 0.32
[4] 23%	[26] 0.79
[5] 59%	[27] 0.17
[6] 68%	[28] 0.44
[7] 85%	[29] 0.25
[8] 76%	[30] 0.86
[9] 4%	[31] 1%
[10] 12%	[32] 6%
[11] 40%	[33] 3%
[12] 80%	[34] 5%
[13] 75%	[35] 8%
[14] 37.5%	[36] 7%
[15] 50%	[37] 9%
[16] 20%	[38] 2%
[17] 62.5%	[39] 4%
[18] 25%	[40] 1%
[19] 50%	[41] 14
[20] 75%	[42] 20
[21] 0.85	[43] 18
[22] 0.66	[44] 12

[45] 22

[54] 44 seats

[46] 45 oranges

[55] 48 seats

[47] 91 oranges

[56] G

[48] 78 oranges

[57] E

[49] 28 oranges

[58] G

[50] 66 oranges

[59] A

[51] 42 seats

[60] E

[52] 38 seats

[53] 58 seats

61)  $\frac{3}{6}$

62)  $\frac{5}{6}$

63)  $\frac{3}{6}$

64)  $\frac{2}{3}$

65) *F*: y-axis *E*: IV *D*: x-axis

66) *G*: II *F*: IV *E*: II

67) *H*: I *I*: I *J*: II

68) *T*: I *U*: I *V*: III

69) *P*: IV *Q*: IV *R*: IV

70) *U*: I *T*: I *S*: x-axis

71) *A*: x-axis *B*: I *C*: III

72) *K*: I *L*: I *M*: IV

73) *S*: IV *R*: y-axis *Q*: III

74) *Q*: II *R*: IV *S*: y-axis

75) *C*: IV *D*: IV *E*: III

76) *L*: x-axis *M*: IV *N*: IV

77) *T*: IV *U*: II *V*: IV

78) *B*: y-axis *C*: IV *D*: II

79) *I*: II *H*: IV *G*: IV

80) *C*: x-axis *D*: IV *E*: II

81) *L*: II *M*: x-axis *N*: I

82) *S*: III *T*: I *U*: I

83) *I*: III *J*: I *K*: IV

84) *H*: IV *G*: IV *F*: III