Name: _____ Date: _____

Fresh Math

Addition Rule for Probability - Medium

Use P(A or B) = P(A) + P(B) - P(A and B).

1. P(A) = 0.31, P(B) = 0.66, P(A and B) = 0.14

2. P(A) = 0.57, P(B) = 0.22, P(A and B) = 0.16

3. P(A) = 0.59, P(B) = 0.37, P(A and B) = 0.13

4. P(A) = 0.49, P(B) = 0.24, P(A and B) = 0.18

5. P(A) = 0.48, P(B) = 0.54, P(A and B) = 0.18

6. P(A) = 0.44, P(B) = 0.25, P(A and B) = 0.12

Name: _____ Date: _____

Fresh Math

Addition Rule for Probability - Medium

Use P(A or B) = P(A) + P(B) - P(A and B).

7. P(A) = 0.42, P(B) = 0.7, P(A and B) = 0.31

8. P(A) = 0.34, P(B) = 0.53, P(A and B) = 0.11

9. P(A) = 0.32, P(B) = 0.66, P(A and B) = 0.21

10. P(A) = 0.43, P(B) = 0.29, P(A and B) = 0.08

11. P(A) = 0.47, P(B) = 0.38, P(A and B) = 0.14

12. P(A) = 0.63, P(B) = 0.69, P(A and B) = 0.34

Name: _____ Date: _____

Fresh Math

Addition Rule for Probability - Medium

Use P(A or B) = P(A) + P(B) - P(A and B).

13. P(A) = 0.45, P(B) = 0.53, P(A and B) = 0.22

14. P(A) = 0.43, P(B) = 0.32, P(A and B) = 0.19

15. P(A) = 0.57, P(B) = 0.25, P(A and B) = 0.09

16. P(A) = 0.27, P(B) = 0.44, P(A and B) = 0.24

Addition Rule for Probability - Medium - Answer Key

1. P(A) = 0.31, P(B) = 0.66, P(A and B) = 0.14

   0.83
2. P(A) = 0.57, P(B) = 0.22, P(A and B) = 0.16

   0.63
3. P(A) = 0.59, P(B) = 0.37, P(A and B) = 0.13

   0.83
4. P(A) = 0.49, P(B) = 0.24, P(A and B) = 0.18

   0.55
5. P(A) = 0.48, P(B) = 0.54, P(A and B) = 0.18

   0.84
6. P(A) = 0.44, P(B) = 0.25, P(A and B) = 0.12

   0.57

Addition Rule for Probability - Medium - Answer Key

7. P(A) = 0.42, P(B) = 0.7, P(A and B) = 0.31

   0.81

8. P(A) = 0.34, P(B) = 0.53, P(A and B) = 0.11

   0.76

9. P(A) = 0.32, P(B) = 0.66, P(A and B) = 0.21

   0.77

10. P(A) = 0.43, P(B) = 0.29, P(A and B) = 0.08

    0.64

11. P(A) = 0.47, P(B) = 0.38, P(A and B) = 0.14

    0.71

12. P(A) = 0.63, P(B) = 0.69, P(A and B) = 0.34

    0.98

Addition Rule for Probability - Medium - Answer Key

13. P(A) = 0.45, P(B) = 0.53, P(A and B) = 0.22

    0.76

14. P(A) = 0.43, P(B) = 0.32, P(A and B) = 0.19

    0.56

15. P(A) = 0.57, P(B) = 0.25, P(A and B) = 0.09

    0.73

16. P(A) = 0.27, P(B) = 0.44, P(A and B) = 0.24

    0.47