

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Answers:

1. $\frac{1}{2}$

2. $\frac{1}{2}$

3. $\frac{1}{6}$

4. $\frac{3}{6} = \frac{1}{2}$

5. $\frac{2}{6} = \frac{1}{3}$

6. $\frac{1}{4}$

7. $\frac{3}{4}$

8. $\frac{13}{52} = \frac{1}{4}$

9. $\frac{4}{52} = \frac{1}{13}$

10. $\frac{2}{5}$

11. $\frac{5}{10} = \frac{1}{2}$

12. $\frac{5}{6}$

13. $\frac{6}{36} = \frac{1}{6}$

14. $\frac{4}{10} = \frac{2}{5}$

15. $\frac{4}{10} = \frac{2}{5}$

16. $\frac{39}{52} = \frac{3}{4}$

17. $\frac{3}{12} = \frac{1}{4}$

18. $(\frac{3}{6}) * (\frac{3}{6}) = \frac{9}{36} = \frac{1}{4}$

19. "MATH" vowels = A only, $\frac{1}{4}$

20. $\frac{2}{6} = \frac{1}{3}$

21. $\frac{28}{50} = \frac{14}{25} = 0.56$

22. $\frac{8}{60} = \frac{2}{15} = 0.1333$

23. $\frac{20}{50} = \frac{2}{5} = 0.4$

24. $\frac{12}{30} = \frac{2}{5} = 0.4$

25. $\frac{18}{40} = \frac{9}{20} = 0.45$

26. $\frac{47}{100} = 0.47$

27. $\frac{17}{30} = 0.5667$

28. $\frac{5}{25} = \frac{1}{5} = 0.2$

29. $\frac{8}{40} = \frac{1}{5} = 0.2$

30. $\frac{37}{200} = 0.185$

31. $120 * (\frac{1}{2}) = 60$

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32. $90 * (\frac{1}{6}) = 15$

33. $80 * (\frac{1}{8}) = 10$

34. $50 * (\frac{3}{10}) = 15$

35. $200 * (\frac{1}{4}) = 50$

36. $60 * (\frac{1}{6}) = 10$

37. $100 * (\frac{1}{4}) = 25$

38. $500 * (\frac{4}{10}) = 200$

39. $75 * (\frac{2}{5}) = 30$

40. $30 * (\frac{1}{2}) = 15$

41. $\frac{1}{2}$

42. $\frac{1}{3}$

43. $\frac{1}{6}$

44. $0.40 = \frac{2}{5}$

45. $0.35 = \frac{7}{20}$

46. $0.25 = \frac{1}{4}$

47. $(\frac{1}{2}) * (\frac{2}{5}) = \frac{1}{5} = 0.20$

48. $(\frac{1}{3}) * (\frac{1}{4}) = \frac{1}{12} \approx 0.0833$

49. $P(\text{strawberry or sprinkles}) = P(\text{strawberry}) + P(\text{sprinkles}) - P(\text{both}) = \frac{1}{6} + \frac{2}{5} - (\frac{1}{6} * \frac{2}{5}) = \frac{1}{2}$

50. $P(\text{chocolate and fruit}) = (\frac{1}{3}) * (\frac{7}{20}) = \frac{7}{60}$. Expected count = $120 * (\frac{7}{60}) = 14$