1. **D** LinRod can trade 1 HiChew for 2 Vegan Tea Drops. She has 2 HiChews to start with so she can trade them for 4 Vegan Tea Drops.
2. **D** Two people pay $4.52 and 3 people pay $5.94. (2 × 4.52) + (3 × 5.94) = $26.86
3. **B** One foot is equal to 12 inches. 12 – 4 = 8 inches
4. **C** The numbers on a die are 1, 2, 3, 4, 5, and 6. The odd numbers are 1, 3, and 5 and the even numbers are 2, 4, and 6. Three odd numbers out of 6 total numbers is a 1/2 probability of rolling an odd number.
5. **D** The Gold crown is a circle with a radius of 3 inches. The area of a circle is πr2 with r representing the radius. Therefore the area of the Gold crown is 9π in2. The Blue crown is a square with side length of 3 inches. The area of a square is s2 with s representing the side length. Therefore the area of the Blue crown is 9 in2. The Gold crown has a larger area of 9π in2 so it’s the one Minjia Spirit of the Swift and Priti choose.
6. **A** Granny Kay will yell 5 times for every 2 times someone gets in the middle of the road so she will yell 5/2 times for every 1 times someone gets in the middle of the road. IzzBiz gets in the middle of the road 6 times. 6×(5/2)=15
7. **A** = = = 4 – 3 1= 4 – 3 = 1
8. **B** YiYi gets 4 + 6 + 2 + 14 + 25 + 5 + 7 = 63 pieces of candy corn during the week. She gets an average of 63/7 = 9 candy corn per a day.
9. **A** The pattern is 2 more jack-o-lanterns carved with each passing day. 11 + 13 + 15 + 17 + 19 + 21 + 23 = 119 jack-o-lanterns carved over the week.
10. **E** 1.2 hours is 1.2 × 60 = 72 minutes and 180 seconds is 180/60 = 3 minutes. 72 + 16 + 3 = 91 minutes.
11. **B** Factors of 24 are 1, 2, 3, 4, 6, and 8. That’s 6 numbers on the spinner.
12. **C** ~~17~~, ~~18~~, ~~19~~, ~~20~~, ~~21~~, ~~22~~, 23, ~~24~~, ~~25~~ The number 23 is the only one that fits all the specifications.
13. **B** Convert all the numbers into the same form. The numbers in order of highest to lowest is 3.4, = 1.25, = 1, 2/3 = .666… (repeating). Sisi is the one with the most candy (3.4) so she gets to come with the homies.
14. **E** (9×8) + 2 = 74 over the denominator of 9 is.
15. **D** The only shape with angles that add up to 180 degrees is a triangle.
16. **B** The number in the same place is the 5 in the hundredths place.
17. **B** The perimeter of a rectangle is (2 × width) + (2 × length) which is (2 × 19) + (2 × 23) = 84
18. **C** 2876/7 = 410 with a remainder of 6.
19. **A** The candies are received in sets of 4. 37/4 has a remainder of 1 so the first candy in the set (Twix) is the 37th candy received.
20. **D** There are 31 days in the month of October which leaves 12 days unaccounted for. Counting backwards from September 30 (the first of the 12 remaining days), you end on September 19.
21. **C** Coll Ball can shake hands with 4 people, Izz Biz can shake hands with 3 other people, Jerffy can shake hands with 2 other people, and the witches can shake hands with each other. 4 + 3 + 2 + 1 = 10
22. **D** After Jerffy adds his candy to the pile there’s a total of 12 × 5 = 60 pieces of candy. LinRod, IzzBiz, JBay, and YiYi had 11 × 4 = 44 pieces of candy amongst themselves before Jerffy added his candy. Jerffy added 60 – 44 = 16 pieces of the candy to the pile.
23. **C** The volume of the chocolate bars can be found by dividing 782 by 17, giving you 46 inches.
24. **A** Use order of operation (PEMDAS). The numerator is 100 and the denominator is 60. 100/60 = 
25. **E** I is true, II is false (51 = 3 × 17), III is true, and IV is true.
26. **D** The total number of combinations is 3 × 4 = 12.
27. **C** 131 is the seventh three digit prime number
28. **D** (3 × ) – 5 = 16
29. **A** If they were in a line, then the monster could be 6 feet away from Tubbie Bear and still be 5 feet away from the fairy princess.
30. **B** Happy Halloween!