**Answer key** The answers are filled in.

1. A number cube with the numbers 1 to 6 is rolled and a spinner with equal parts colored red, blue and green is spun. What is the probability of getting a number less than 3 and blue? $\frac{2}{18}$

2. A frozen yogurt stand has 4 flavors, 4 toppings and 2 kinds of cups. Dara picks one of each. How many different treats can Dara make? 32

3. A frozen yogurt stand has 2 flavors and 3 toppings. Cal picks one of each. How many different treats can Cal make? 6

4. A number cube with the numbers 1 to 6 is rolled and a spinner with equal parts colored red, blue, green and yellow is spun. What is the probability of getting a number less than 3 and red? $\frac{2}{24}$

5. A coin is flipped and a spinner with 5 equal parts numbered 1 to 5 is spun. What is the probability of getting tails and a number greater than 1? $\frac{4}{10}$

6. A number cube with the numbers 1 to 6 is rolled and a spinner with equal parts colored orange, purple, pink and white is spun. What is the probability of getting a number greater than 2 and purple? $\frac{4}{24}$

7. Day camp has 5 morning activities, 5 afternoon activities and 2 evening activities. Beck picks one of each. How many different camp days can Beck plan? 50

8. A number cube with the numbers 1 to 6 is rolled and a spinner with equal parts colored orange, purple, pink and white is spun. What is the probability of getting a number greater than 4 and orange? $\frac{2}{24}$



Score: ____ / 8