Answer key The answers are filled in.

1 Ana spins a spinner with orange and purple parts and rolls a number cube with the numbers 1 to 6. How many different outcomes are there, such as orange and 1? **12**

2 Each bag holds only blue and red buttons. Which bag gives a $\frac{2}{8}$ chance of picking a blue button?

Check one:

- [x] 2 blue and 6 red buttons
- [ ] 2 blue and 8 red buttons
- [ ] 8 blue and 2 red buttons

3 Each bag holds only blue and red marbles. Which bag gives a $\frac{4}{6}$ chance of picking a blue marble?

Check one:

- [ ] 6 blue and 4 red marbles
- [ ] 4 blue and 6 red marbles
- [x] 4 blue and 2 red marbles

4 Eli spins a spinner with orange and purple parts and spins a second spinner with the numbers 1 to 5. How many different outcomes are there, such as orange and 1? **10**

5 Each bag holds only yellow and blue cubes. Which bag gives a $\frac{5}{8}$ chance of picking a yellow cube?

Check one:

- [ ] 5 yellow and 8 blue cubes
- [ ] 8 yellow and 5 blue cubes
- [x] 5 yellow and 3 blue cubes

6 Each bag holds only yellow and blue buttons. Which bag gives a $\frac{6}{8}$ chance of picking a yellow button?

Check one:

- [ ] 6 yellow and 8 blue buttons
- [x] 6 yellow and 2 blue buttons
- [ ] 8 yellow and 6 blue buttons