Answer key The answers are filled in.

1 Each bag holds only blue and red tiles. Which bag gives a $\frac{5}{8}$ chance of picking a blue tile?

Check one:

- [ ] 5 blue and 8 red tiles
- [ ] 8 blue and 5 red tiles
- [x] 5 blue and 3 red tiles

2 Each bag holds only blue and red tiles. Which bag gives a $\frac{6}{10}$ chance of picking a blue tile?

Check one:

- [x] 6 blue and 4 red tiles
- [ ] 10 blue and 6 red tiles
- [ ] 6 blue and 10 red tiles

3 Jude spins a spinner with red, blue, green and yellow parts and rolls a number cube with the numbers 1 to 6. How many different outcomes are there, such as red and 1? **24**

4 Zoe spins a spinner with orange, purple, pink and white parts and flips a coin. How many different outcomes are there, such as orange and heads? **8**

5 Kim spins a spinner with red, blue, green and yellow parts and spins a second spinner with the numbers 1 to 5. How many different outcomes are there, such as red and 1? **20**

6 Beck spins a spinner with orange, purple, pink and white parts and spins a second spinner with the numbers 1 to 4. How many different outcomes are there, such as orange and 1? **16**

Score: ____ / 6