

1. Event 1 can occur in 6 ways. Event 2 can occur in 3 ways.

Event 1 followed by Event 2 can occur in

 $6 \times 3 = 18$ ways.

using 3 T-shirts and 4 pairs of jeans? $3 \times 4 = 12$ outfits T-shirts ieans

2. How many outfits can you make

You can make 12 different outfits.



Check your answers at BigIdeasMath.com. —

Find the number of ways that Event 1 can occur followed by Event 2.

3. Event 1 can occur in 5 ways. Event 2 can occur in 6 ways. **4.** Event 1 can occur in 10 ways. Event 2 can occur in 3 ways.

- 5. Event 1 can occur in 11 ways. Event 2 can occur in 11 ways.
- **6.** Event 1 can occur in 14 ways. Event 2 can occur in 4 ways.

Find the number of ways that Event 1 can occur followed by Event 2, followed by Event 3.

- 7. Event 1 can occur in 2 ways. Event 2 can occur in 4 ways. Event 3 can occur in 5 ways.
- 9. **OUTFITS** How many different outfits can you make using the T-shirts and jeans shown at the right? _____
- **10. OUTFITS** How many of the outfits have the gray jeans?

8. Event 1 can occur in 8 ways. Event 2 can occur in 7 ways. Event 3 can occur in 6 ways.

