

Name: _____

Date: _____

Counting outfits

Write each probability as a fraction in simplest form.

1. A student has 4 shirts, 5 pairs of pants and 3 hats. How many different outfits (one of each) can be made?

Answer: _____

2. A student has 6 shirts, 3 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

3. A student has 5 shirts, 2 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

4. A student has 4 shirts, 4 pairs of pants and 3 hats. How many different outfits (one of each) can be made?

Answer: _____

5. A student has 3 shirts, 2 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

6. A student has 4 shirts, 5 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

7. A student has 6 shirts, 2 pairs of pants and 2 hats. How many different outfits (one of each) can be made?

Answer: _____

8. A student has 5 shirts, 4 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

9. A student has 3 shirts, 5 pairs of pants and 4 hats. How many different outfits (one of each) can be made?

Answer: _____

10. A student has 5 shirts, 5 pairs of pants and 3 hats. How many different outfits (one of each) can be made?

Answer: _____

Probability: Answer Key

1. 60

2. 72

3. 40

4. 48

5. 24

6. 80

7. 24

8. 80

9. 60

10. 75