Practice worksheet | Probability

Systematic counting and the multiplication principle

Name: _____ Date: _____

6 questions | 14 marks

1. There are 4 shirts and 3 trousers. How many outfits choosing one of each? [2 marks]

2. A four-digit PIN allows 0-9 in each position and permits repeats. How many PINs? [2 marks]

3. How many three-letter codes use different letters from A,B,C,D,E? [2 marks]

4. Five runners fill first and second place with no ties. How many ordered results? [2 marks]

5. How many two-digit numbers use distinct digits from 0,2,4,6? [3 marks]

6. A student says 3 mains and 2 drinks make 5 lunches. Explain and correct. [3 marks]