Practice worksheet | Whole numbers, factors and powers

Prime factorisation and exponent notation

Name: _____ Date: _____

6 questions | 14 marks

1. Write 60 as a product of prime powers. [2 marks]

2. Write 108 as a product of prime powers. [2 marks]

3. Write a product of five 7s using exponent notation, then evaluate the power. [2 marks]

4. Evaluate $2^3 \times 5^2$. [2 marks]

5. Use prime factors to find the highest common factor of 48 and 72. [3 marks]

6. Find the whole-number value of n if $2^n \times 3 = 96$. [3 marks]