Practice worksheet | Ratio, rates and similarity

Direct proportion

Name: _____ Date: _____

6 questions | 13 marks

1. Three kilograms of rice cost 8.40 dollars. Find the price per kilogram. [2 marks]

2. y is directly proportional to x. If $y = 18$ when $x = 6$, write the rule. [2 marks]

3. Use $y = 2.4x$ to find y when $x = 7$. [2 marks]

4. A printer produces 96 pages in four minutes at a constant rate. How long for 168 pages? [2 marks]

5. Decide whether the pairs $(1, 5), (3, 15), (8, 40)$ show direct proportion. Explain. [2 marks]

6. A delivery costs 6 dollars plus 2 dollars per kilometre. Is the total cost directly proportional to kilometres? Explain. [3 marks]