The Real Number System: Rational & Irrational Numbers

WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 14

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 List the natural numbers less than 5. (1)

2 What is the only whole number that is not a natural number? (1)

3 Is -7 an integer? Is it a natural number? (2)

4 Define a rational number. (2)

5 Is $\sqrt{36}$ rational or irrational? Why? (2)

6 Is $\sqrt{20}$ rational or irrational? Why? (2)

7 Is $0{,}45$ rational? (1)

8 Is $0{,}666\ldots$ rational? (1)

9 Name two irrational numbers. (2)

TOTAL: 14 marks

© Danemathics — free to print and share for classroom use.