FUN MATH KIDS

Easy

Rates of Change MCQ

Topic: Interpret gradient as rate of change A–D · Grade: grade 8

Name: _____ Date: _____ Score: _____/ 8

Find the rate of change between the points, then tick the correct answer.

1. A line passes through (0, 1) and (4, 9). What is the rate of change (gradient)?

- ☐ A. 3
- ☐ B. 2
- ☐ C. 4
- ☐ D. 8

2. A line passes through (0, 4) and (5, 34). What is the rate of change (gradient)?

- ☐ A. 30
- ☐ B. 7
- ☐ C. 5
- ☐ D. 6

3. A line passes through (0, 4) and (6, 16). What is the rate of change (gradient)?

- ☐ A. 2
- ☐ B. 6
- ☐ C. 12
- ☐ D. 3

4. A line passes through (0, 1) and (2, 5). What is the rate of change (gradient)?

- ☐ A. 2
- ☐ B. 3
- ☐ C. 3?
- ☐ D. 4

5. A line passes through (0, 1) and (2, 13). What is the rate of change (gradient)?

- ☐ A. 7
- ☐ B. 2
- ☐ C. 6
- ☐ D. 12

6. A line passes through (0, 3) and (4, 19). What is the rate of change (gradient)?

- ☐ A. 3?
- ☐ B. 16
- ☐ C. 5
- ☐ D. 4

7. A line passes through (0, 5) and (4, 29). What is the rate of change (gradient)?

- ☐ A. 7
- ☐ B. 24
- ☐ C. 6
- ☐ D. 4

8. A line passes through (0, 3) and (5, 33). What is the rate of change (gradient)?

- ☐ A. 6
- ☐ B. 30
- ☐ C. 7
- ☐ D. 5