

Maths and Science Multiple Choice Worksheet

Grade 4 | Factors, Multiples, Products and Energy Changes

Name: _____ Class: _____ Date: _____

Instructions: Circle one correct answer (A, B, C or D) for each question.

A Factors

1. Which number is a factor of 18?

- A. 4 B. 5
C. 6 D. 7

2. Which list shows all the factors of 12?

- A. 1, 2, 3, 4, 6, 12 B. 1, 2, 4, 8, 12
C. 2, 3, 6, 12 D. 1, 3, 5, 12

3. Which number is NOT a factor of 24?

- A. 3 B. 4
C. 5 D. 8

4. How many factors does 10 have?

- A. 2 B. 3
C. 4 D. 5

B Fourth and Fifth Multiples

5. What is the 4th multiple of 3?

- A. 9 B. 12
C. 15 D. 18

6. What is the 5th multiple of 4?

- A. 16 B. 18
C. 20 D. 24

7. Which is the 4th multiple of 9?

- A. 27 B. 32
C. 36 D. 45

8. Which pair gives the 4th and 5th multiples of 5?

- A. 15 and 20 B. 20 and 25
C. 25 and 30 D. 10 and 15

C Products and Multiplication

9. What is the product of 7 and 4?

- A. 11 B. 21
C. 28 D. 32

10. In $6 \times 5 = 30$, what is the product?

- A. 5 B. 6
C. 11 D. 30

11. Which multiplication gives a product of 24?

- A. 3×6 B. 4×6
C. 5×6 D. 4×5

12. What is the product of 8 and 3?

- A. 11 B. 16
C. 24 D. 32

13. Which numbers are the factors in $9 \times 2 = 18$?

- A. 9 and 2 B. 9 and 18
C. 2 and 18 D. 18 only

14. There are 5 bags with 4 apples in each bag. What is the total product?

- A. 9 B. 15
C. 20 D. 25

D Identify Energy Changes

15. A lamp is switched on. What energy change happens?



- A. Light E $\rightarrow$ Sound E B. Electrical E $\rightarrow$ Light E + Heat E
C. Heat E $\rightarrow$ Movement E D. Sound E $\rightarrow$ Heat E

16. An electric fan is running. What is the main useful energy change?



- A. Electrical E $\rightarrow$ Movement E B. Light E $\rightarrow$ Heat E
C. Sound E $\rightarrow$ Light E D. Movement E $\rightarrow$ Electrical E

17. A toaster heats bread. What is the main useful energy change?



- A. Heat E $\rightarrow$ Light E B. Electrical E $\rightarrow$ Heat E
C. Movement E $\rightarrow$ Sound E D. Light E $\rightarrow$ Movement E

18. A speaker plays music. What is the main useful energy change?



- A. Electrical E $\rightarrow$ Sound E B. Sound E $\rightarrow$ Light E
C. Heat E $\rightarrow$ Movement E D. Light E $\rightarrow$ Heat E

19. When you rub your hands together, movement energy changes mainly into ...

- A. light energy B. electrical energy
C. heat energy D. movement energy



20. A solar panel works in sunlight. What energy change happens?

- A. Sound E $\rightarrow$ Electrical E B. Light E $\rightarrow$ Electrical E
C. Heat E $\rightarrow$ Sound E D. Movement E $\rightarrow$ Heat E

