NEWFOUNDLAND AND LABRADOR MATHEMATICS 2202 · UNIT D · 25 QUESTIONS

Slope and Proportional Reasoning — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The slope of the line through (0, 0) and (4, 8) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The slope of the line through (2, 3) and (5, 12) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Use the standard definition. A line with a positive slope**



A falls from left to right

B is horizontal

C rises from left to right

D is vertical

Understand It with Pulse | Flag a mistake

4 **One item costs $4. At the same rate, the cost of 9 items, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A total of $18 for 6 items gives a unit rate, in dollars per item, of**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The y intercept of y = 2x - 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The slope of y = 3x - 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Start from the definition. Two parallel lines have slopes that are**



A opposite reciprocals

B both zero

C both undefined

D equal

Understand It with Pulse | Flag a mistake

9 **y varies directly with x , and y = 4x . When x = 6 , y equals**

ANSWER

Understand It with Pulse | Flag a mistake

10 **Use what the term means. The slope of a horizontal line is**



A 1

B 0

C undefined

D negative

Understand It with Pulse | Flag a mistake

11 **Think about the rule. The slope of a vertical line is**



A 0

B 1

C undefined

D negative

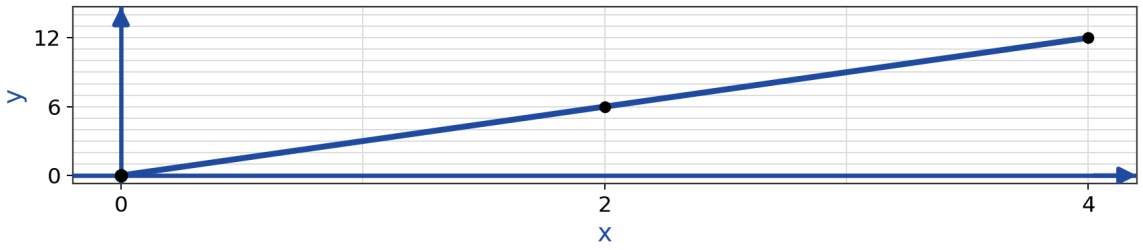
Understand It with Pulse | Flag a mistake

12 **A car travels 90 km in 3 hours. Its average speed, in kilometres per hour, is**

ANSWER

Understand It with Pulse | Flag a mistake

13 **The graph shows a straight line through (0, 0) and (2, 6). Its slope is**



A 3

B 2

C 6

D 12

Understand It with Pulse | Flag a mistake

14 **If 5 kg costs $15, at the same rate, the cost of 8 kg, in dollars, is**

ANSWER

Understand It with Pulse | Flag a mistake

15 **The slope of the line through (0, 0) and (3, 9) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The slope of the line through (3, 1) and (7, 9) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Recall the concept. A line with a positive slope**



A rises from left to right

B falls from left to right

C is horizontal

D is vertical

Understand It with Pulse | Flag a mistake

18 **One item costs $5. At the same rate, the cost of 6 items, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A total of $36 for 9 items gives a unit rate, in dollars per item, of**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **The y intercept of y = 5x + 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The slope of y = 4x + 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Recall the principle. Two parallel lines have slopes that are**



A opposite reciprocals

B equal

C both zero

D both undefined

Understand It with Pulse | Flag a mistake

23 **y varies directly with x , and y = 5x . When x = 7 , y equals**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Consider the principle in general. The slope of a horizontal line is**

A 1

B undefined

C negative

D 0

Understand It with Pulse | Flag a mistake

25

Review the principle. The slope of a vertical line is

A undefined

B 0

C 1

D negative

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	2	**10.**	B	**19.**	4
2.	3	**11.**	C	**20.**	2
3.	C	**12.**	30	**21.**	4
4.	36	**13.**	A	**22.**	B
5.	3	**14.**	24	**23.**	35
6.	-5	**15.**	3	**24.**	D
7.	3	**16.**	2	**25.**	A
8.	D	**17.**	A		
9.	24	**18.**	30		

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