NUNAVUT MATH 20-2 · NUNAVUT

Nunavut Math 20-2
Practice Test

Unit 8: Linear Relations and Systems

10 Questions

Original practice test based on the Nunavut curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

The slope of the line through the points $(2, -3)$ and $(-4, 3)$ is

A) 1

B) -1

C) -6

D) 6

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Question 2

When the system $x = 2y + 1$ and $3x + y = 17$ is solved, the value of y is

A) 2

B) 5

C) 3

D) 1

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Question 3

A lemonade stand has start – up costs of $96. Each cup costs $0.50 to make and sells for $2.00. The number of cups that must be sold to break even is ____

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Question 4

The solution to the inequality $2x + 7 < 3$ is

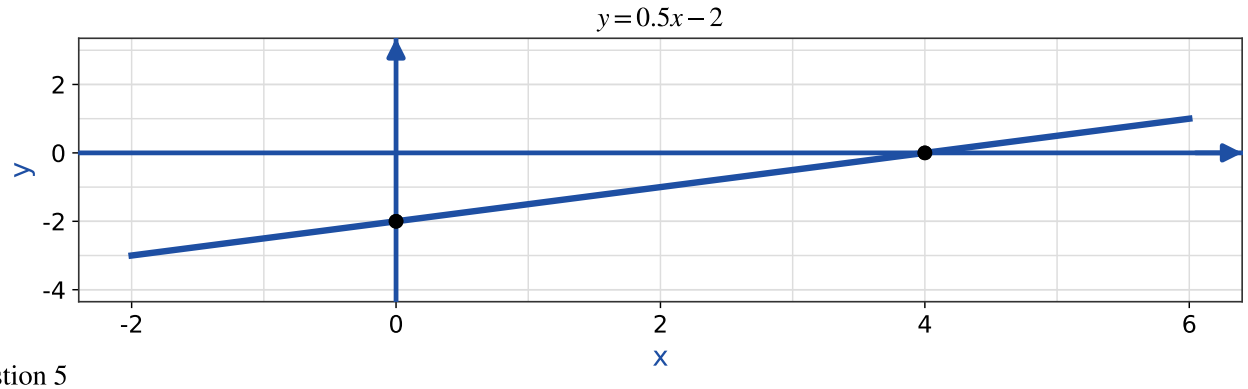
A) $x > -2$

B) $x < 2$

C) $x < -2$

D) $x > 5$

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Question 5

The graph shows a line that crosses both axes. Its equation in slope – intercept form is

A) $y = \frac{1}{2}x - 2$

B) $y = 2x - 2$

C) $y = -\frac{1}{2}x - 2$

D) $y = \frac{1}{2}x + 2$

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Question 6

When the system $2x + 3y = 12$ and $x + y = 5$ is solved, the value of x is

A) 2

B) 5

C) 1

D) 3

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Question 7

The sum of two numbers is 32. Twice the first number plus the second number is 46. The first number is

____

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Question 8

Company A charges a $30 setup fee plus $0.08 per page printed. Company B charges a $10 setup fee plus $0.12 per page. Company B charges less than Company A when the number of pages printed is

A) More than 500

B) Exactly 500

C) Fewer than 500

D) Any number of pages

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Question 9

The solution to the inequality $-3x + 2 \geq 14$ is

A) $x \geq -4$

B) $x \leq -4$

C) $x \leq 4$

D) $x \geq 4$

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Question 10

Adult tickets to a play cost $12 each and child tickets cost $7 each. A group buys 20 tickets and pays $190 in total. The number of adult tickets purchased is ____

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ANSWER KEY

1. B
2. A
3. 64
4. C
5. A
6. D
7. 14
8. C
9. B
10. 10

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