Math Practice - Grade 8

M7 Systems of two linear equations - Solve a real problem with two unknowns

M7 8.EE.C.8, 8.EE.C.8a, 8.EE.C.8b, 8.EE.C.8c

Name: _____ Date: _____

Read the story. Write the price of each item.

Example: 4 apples and 4 bananas cost 84. 1 apple and 4 bananas cost 39. How much is one apple? One banana?

How: Let x and y stand for the two unknown amounts, write one equation for each fact, then solve the system and check both answers in the story.

Apple 15

Banana 6

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1 **2 notebooks and 4 erasers cost 30. 1 notebook and 3 erasers cost 18. How much is one notebook? One eraser?**

Notebook ☐

Eraser ☐

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2 **4 adult tickets and 2 child tickets cost 52. 1 adult ticket and 4 child tickets cost 41. How much is one adult ticket? One child ticket?**

Adult ☐

Child ☐

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3 **3 adult tickets and 3 child tickets cost 48. 1 adult ticket and 3 child tickets cost 36. How much is one adult ticket? One child ticket?**

Adult ☐

Child ☐

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M7 8.EE.C.8, 8.EE.C.8a, 8.EE.C.8b, 8.EE.C.8c

Name: _____ Date: _____

Read the story. Write the price of each item.

Example: 4 notebooks and 4 erasers cost 76. 1 notebook and 2 erasers cost 26. How much is one notebook? One eraser?

How: Let x and y stand for the two unknown amounts, write one equation for each fact, then solve the system and check both answers in the story.

Notebook 12

Eraser 7

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1 **2 notebooks and 4 erasers cost 42. 1 notebook and 3 erasers cost 27. How much is one notebook? One eraser?**

Notebook ☐

Eraser ☐

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2 **3 pens and 2 pencils cost 54. 1 pen and 4 pencils cost 48. How much is one pen? One pencil?**

Pen ☐

Pencil ☐

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3 **4 adult tickets and 3 child tickets cost 69. 1 adult ticket and 4 child tickets cost 27. How much is one adult ticket? One child ticket?**

Adult ☐

Child ☐

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M7 8.EE.C.8, 8.EE.C.8a, 8.EE.C.8b, 8.EE.C.8c

Name: _____ Date: _____

Read the story. Write the price of each item.

Example: 2 apples and 2 bananas cost 34. 1 apple and 3 bananas cost 27. How much is one apple? One banana?

How: Let x and y stand for the two unknown amounts, write one equation for each fact, then solve the system and check both answers in the story.

Apple 12

Banana 5

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1 **3 notebooks and 3 erasers cost 48. 1 notebook and 2 erasers cost 19. How much is one notebook? One eraser?**

Notebook ____

Eraser ____

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2 **4 notebooks and 2 erasers cost 40. 1 notebook and 3 erasers cost 30. How much is one notebook? One eraser?**

Notebook ____

Eraser ____

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3 **3 apples and 3 bananas cost 69. 1 apple and 3 bananas cost 43. How much is one apple? One banana?**

Apple ____

Banana ____