Name:

Creating Fancy Duct Tape Problems

An art teacher has four rolls of fancy duct tape. The rolls are all 2¼ inches wide, but each roll has a different length of tape left on it:

Dotted: 281 inches
Paisley: 57 inches
Cheetah: 359 inches
Checks: 115 inches

What do you notice? Create some math statements about the duct tape.

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Create at least two questions about the duct tape that can be answered using addition. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 1:
Equations:
Visual Representation:

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Question 2:
Equations:
Visual Representation:

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Create at least two questions about the duct tape that can be answered using subtraction. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 3:
Equations:
Visual Representation:

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Question 4:
Equations:
Visual Representation:

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Create at least two questions about the duct tape that can be answered using both subtraction and addition. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 5:
Equations:
Visual Representation:

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Question 6:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using multiplication. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 7:
Equations:
Visual Representation:

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Question 8:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using multiplication and addition (or subtraction). Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 9:
Equations:
Visual Representation:

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Question 10:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using division. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 11:
Equations:
Visual Representation:

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Question 12:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using fractions. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 13:
Equations:
Visual Representation:

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Question 14:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using ratios and percents. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 15:
Equations:
Visual Representation:

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Question 16:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using variable expressions and equations. Use equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 17:
Equations:
Visual Representation:

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Question 18:
Equations:
Visual Representation:

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Create two questions about the duct tape that can be answered using systems of linear equations. Use both equations and visual representations to justify your answer. Be creative and challenge yourself!

Question 19:
Equations:
Visual Representation:

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Question 20:
Equations:
Visual Representation: