

# MathFLIX CHALLENGE

## Half-Off Store: *Double Your Dollar Power!*

*It is always the right time for fitness. Calculate the monthly reductions in the Half-Off Store so you can answer the questions below.*

Item	\$ Jan	\$ Feb	\$ Mar	\$ Apr	\$ May	\$ Jun	\$ Jul	\$ Aug	\$ Sept	\$ Oct	\$ Nov	\$ Dec
Trampoline	204.80	102.40	51.20									
Xtreme Home Gym	2,048.00											
Fitness Jump Rope	20.48											
Exercise Bicycle	409.60											
Running Shoes	81.92											
Mini-Stair Stepper	163.84											
StairMaster	655.36											
Health Club Membership	1,000.00											

1. In what month would the price of the running shoes be the same price as the fitness jump rope in January?

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2. In what month would the price of the StairMaster be the same price as the original price of the running shoes?

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3. In what month would the price of the running shoes be the same price as the fitness jump rope in January?

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4. During what months might you be able to buy a trampoline for under \$5.00?

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5. In what month will the Stairmaster be 75% off the original price?

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6. Sales records indicate that only half of the items remain in the store for three months. How many items will probably be unavailable in April? \_\_\_\_\_