

MONEY FROM MARS: FREE SAMPLE

This activity is part of an upcoming handout that helps students develop an understanding of systems of equations. In addition, it helps foster number sense and pattern recognition as well. For this reason, it has been used as low as 4th grade.

Happy teaching,

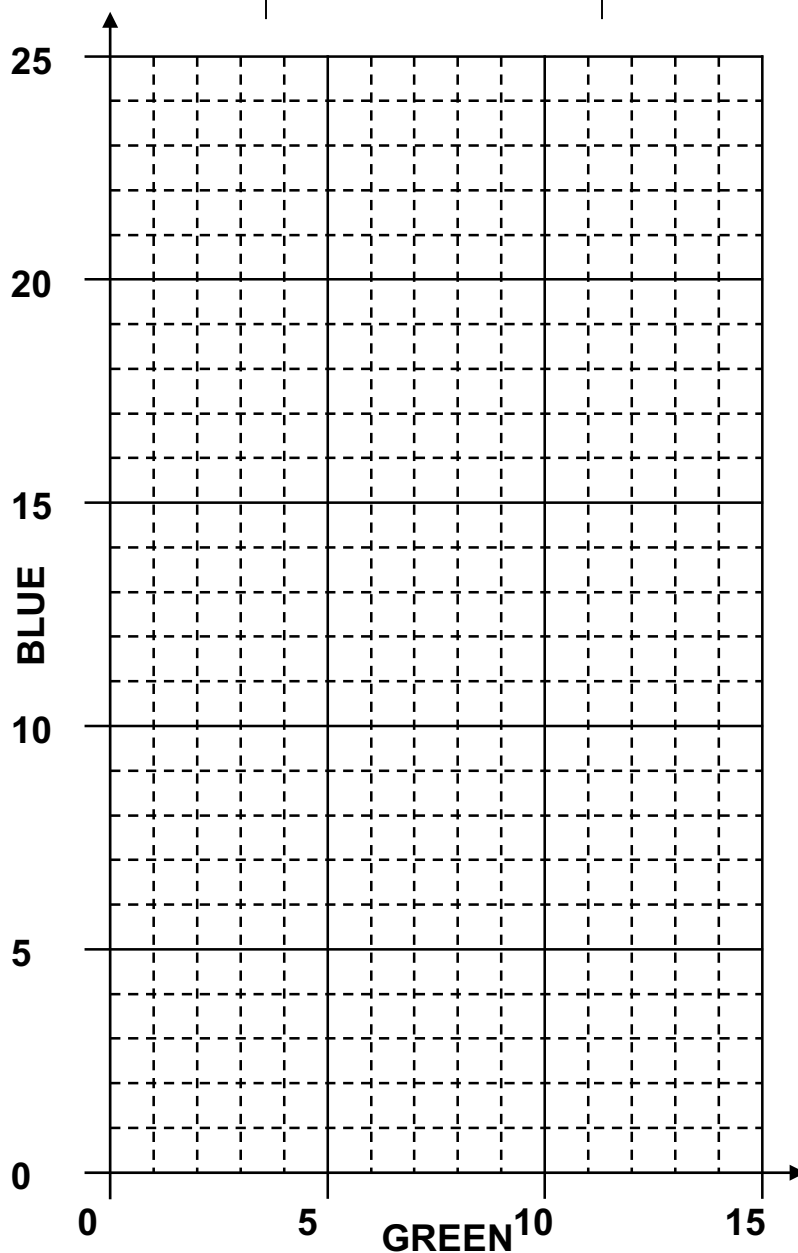
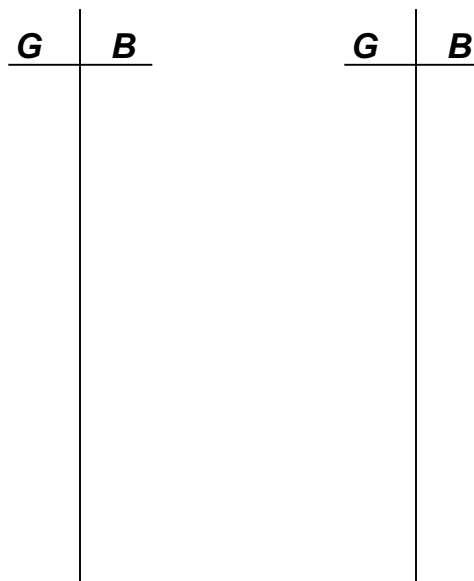
Brad

Name _____

Money from Mars 1

$(G)(G)(G)(B)(B) = 24$

$(G)(B)(B) = 16$



Money from Mars

An Algebraic Solution (problem 1)

$$3g + 2b = 24$$

$$1g + 2b = 16$$

$$3g + 2b = 24$$

$$- \underline{(1g + 2b = 16)} \text{ Subtract}$$

$$\frac{2g}{2} = \frac{8}{2}$$

Divide by the coefficient.

$$\mathbf{g = 4}$$

$$3(4) + 2b = 24 \quad \text{Substitute.}$$

$$12 + 2b = 24 \quad \text{Multiply}$$

$$\underline{-12} \quad \underline{-12} \quad \text{Subtract.}$$

$$\frac{2b}{2} = \frac{12}{2}$$

Divide by the coefficient

$$\mathbf{b = 6}$$