

Equivalent Ratios

The ratio of green M&M's to yellow M&M's is 6:7

Ratio: For every 6 green M&M's there are 7 yellow M&M's
 Language: 6 to 7 6:7 $\frac{6}{7}$

Which Ratios are equivalent?

6:7 $\frac{12}{14} \div 2 = \frac{6}{7}$ ~~$\frac{12}{14} = \frac{6}{7}$~~ $6 \cdot 14 = 84$ $12 \cdot 7 = 84$ ✓ equivalent

$\frac{20}{24} \div 4 = \frac{5}{6}$ ~~$\frac{5}{6} = \frac{6}{7}$~~ $6 \cdot 6 = 36$ $5 \cdot 7 = 35$ ✗ not equivalent

$\frac{18}{21} \div 3 = \frac{6}{7}$ ~~$\frac{6}{7} = \frac{6}{7}$~~ $6 \cdot 7 = 42$ $18 \cdot 7 = 126$ ✓ Equivalent

$\frac{60}{77}$ ~~$\frac{60}{77} = \frac{6}{7}$~~ $60 \cdot 7 = 420$ $77 \cdot 6 = 462$ ✗ not equivalent

$\frac{30}{35} \div 5 = \frac{6}{7}$ ~~$\frac{6}{7} = \frac{6}{7}$~~ $6 \cdot 7 = 42$ $30 \cdot 7 = 210$ ✓ Equivalent

$\frac{66}{77} \div 11 = \frac{6}{7}$ ~~$\frac{6}{7} = \frac{6}{7}$~~ $6 \cdot 7 = 42$ $66 \cdot 7 = 462$ ✓ Equivalent

$\frac{70}{60} \div 10 = \frac{7}{6}$ ~~$\frac{7}{6} = \frac{6}{7}$~~ $6 \cdot 6 = 36$ $7 \cdot 7 = 49$ ✗ not equivalent