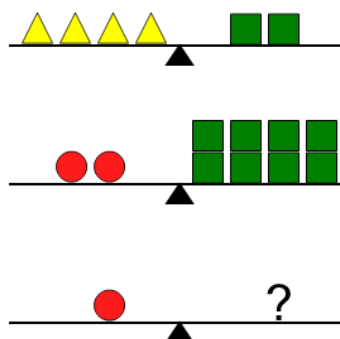




Math worksheet on 'Balance Shapes - Simple Substitution - To Equations And Answer (Level 1)'.  
Part of a broader unit on 'Algebra Basic Concepts - Intro'

Learn online: [app.mobius.academy/math/units/algebra\\_basic\\_concepts\\_intro/](http://app.mobius.academy/math/units/algebra_basic_concepts_intro/)

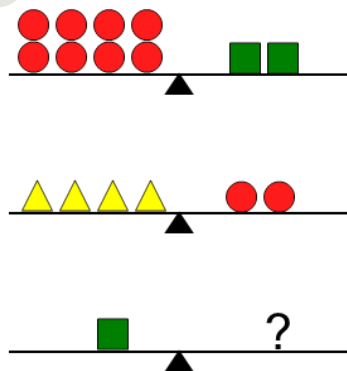
1



Which equation and answer represents these balance beams and the bottom solution

|          |                                    |          |                                    |
|----------|------------------------------------|----------|------------------------------------|
| <b>a</b> | $4t = 2s$<br>$2c = 8s$<br>$c = 9t$ | <b>b</b> | $4t = 2s$<br>$2c = 8s$<br>$c = 8t$ |
|----------|------------------------------------|----------|------------------------------------|

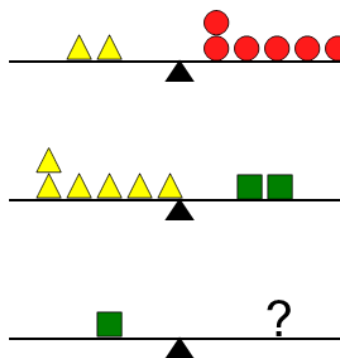
2



Which equation and answer represents these balance beams and the bottom solution

|          |   |          |                                    |
|----------|---|----------|------------------------------------|
| <b>a</b> | $8c = 2s + t$<br>$7t = 2c$<br>$s = 11t$ | <b>b</b> | $8c = 2s$<br>$4t = 2c$<br>$s = 8t$ |
|----------|---|----------|------------------------------------|

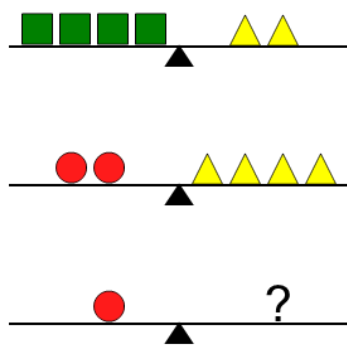
3



Which equation and answer represents these balance beams and the bottom solution

|          |                                    |          |  |
|----------|------------------------------------|----------|--|
| <b>a</b> | $2t = 6c$<br>$6t = 2s$<br>$s = 9c$ | <b>b</b> | $2t + c = 6c$<br>$6t = t$<br>$s = 11c$ |
|----------|------------------------------------|----------|--|

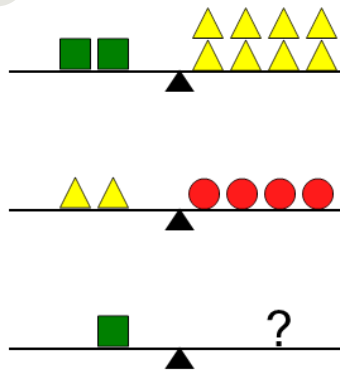
4



Which equation and answer represents these balance beams and the bottom solution

|          |                                    |          |                                    |
|----------|------------------------------------|----------|------------------------------------|
| <b>a</b> | $4s = 2t$<br>$2c = 4t$<br>$c = 4s$ | <b>b</b> | $4s = 2t$<br>$2c = 4t$<br>$c = 5s$ |
|----------|------------------------------------|----------|------------------------------------|

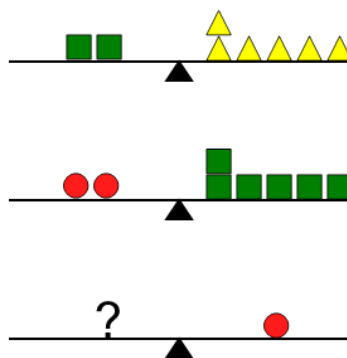
5



Which equation and answer represents these balance beams and the bottom solution

|          |                                    |          |                                    |
|----------|------------------------------------|----------|------------------------------------|
| <b>a</b> | $2s = 8t$<br>$2t = 4c$<br>$s = 5c$ | <b>b</b> | $2s = 8t$<br>$2t = 4c$<br>$s = 8c$ |
|----------|------------------------------------|----------|------------------------------------|

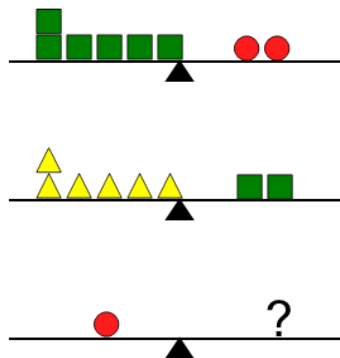
6



Which equation and answer represents these balance beams and the bottom solution

|          |   |          |                                    |
|----------|---|----------|------------------------------------|
| <b>a</b> | $2s + t = 6t$<br>$4c = 6s$<br>$11t = c$ | <b>b</b> | $2s = 6t$<br>$2c = 6s$<br>$9t = c$ |
|----------|---|----------|------------------------------------|

7



Which equation and answer represents these balance beams and the bottom solution

|          |                                    |          |  |
|----------|------------------------------------|----------|--|
| <b>a</b> | $6s = 2c$<br>$6t = 2s$<br>$c = 9t$ | <b>b</b> | $6s = 2c$<br>$6t = 2s$<br>$c = 9t + c$ |
|----------|------------------------------------|----------|--|