2016 Mathematics Standards of Learning

Algebra Readiness Formative Assessment

# 6.12a

1. Tyrique is mixing yellow and blue paint using a ratio of 2 to 3. Create a table of values to represent this proportional relationship.

| Amount of yellow paint | Amount of blue paint |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

1. Stacy went to an arcade that requires 6 tokens to play 2 games. If a proportional relationship exists between the number of games and the number of tokens, create a table of values to represent this relationship.

|  |  |
| --- | --- |
| Amount of yellow paint | Amount of blue paint |
|  |  |
|  |  |
|  |  |
|  |  |

| Number of games | Number of tokens |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

1. Which of the following tables represents a proportional relationship between x and y with a ratio of 3:4?

| *x* | *y* |
| --- | --- |
| 6 | 8 |
| 7 | 9 |
| 8 | 10 |



| *x* | *y* |
| --- | --- |
| 6 | 24 |
| 7 | 28 |
| 8 | 32 |



| *x* | *y* |
| --- | --- |
| 6 | 8 |
| 7.5 | 9.5 |
| 9 | 11 |



| *x* | *y* |
| --- | --- |
| 6 | 8 |
| 7.5 | 10 |
| 9 | 12 |

1. Sophia makes $12 an hour babysitting. Which of the following tables represents the proportional relationship between the hours spent babysitting, *x*, and the money she earns, *y*?

| *x* | *y* |
| --- | --- |
| 2 | 12 |
| 3 | 24 |
| 4 | 36 |



| *x* | *y* |
| --- | --- |
| 2 | 24 |
| 3 | 36 |
| 4 | 48 |



| *x* | *y* |
| --- | --- |
| 12 | 2 |
| 24 | 3 |
| 36 | 4 |



| *x* | *y* |
| --- | --- |
| 24 | 2 |
| 36 | 3 |
| 48 | 4 |

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