

Name : _____

Equivalent Ratio

Sheet 1

A) Check for equivalency.

- 1) Are 2 : 3 and 10 : 15 equivalent? Yes No
- 2) Are 8 : 12 and 4 : 5 equivalent? Yes No
- 3) Are 21 : 6 and 7 : 2 equivalent? Yes No
- 4) Are 6 : 9 and 24 : 36 equivalent? Yes No

B) Find the unknown.

1) $5 : 6 = 15 : 18$

$m = \underline{\hspace{2cm}}$

4) $36 : 63 = s : 7$

$s = \underline{\hspace{2cm}}$

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$6 : 16 = 3 : p$

$p = \underline{\hspace{2cm}}$

$u : 3 = 2 : 6$

$u = \underline{\hspace{2cm}}$

C) An urn has four different color balls. The ratio of blue balls to red balls is 3:7 and the ratio of green balls to yellow balls is 9:21. Are the ratios of blue balls to red balls and green balls to yellow balls equivalent?



Name : _____

Answer Key

Sheet 1

Equivalent Ratio

A) Check for equivalency.

1) Are 2 : 3 and 10 : 15 equivalent?

Yes

No

2) Are 8 : 12 and 4 : 5 equivalent?

Yes

No

3) Are 21 : 6 and 7 : 2 equivalent?

Yes

No

4) Are 6 : 9 and 24 : 36 equivalent?

No

B) Find the unknown.

1) $5 : 6 = 15 : m$

$m = \underline{18}$

4) $36 : 63 = s : 7$

$s = \underline{4}$

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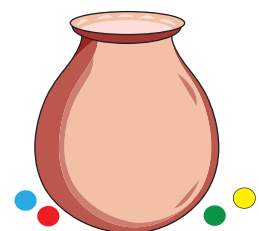
$6 : 16 = 3 : p$

$p = \underline{8}$

$u : 3 = 2 : 6$

$u = \underline{1}$

C) An urn has four different color balls. The ratio of blue balls to red balls is 3:7 and the ratio of green balls to yellow balls is 9:21. Are the ratios of blue balls to red balls and green balls to yellow balls equivalent?



Equivalent