

**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 : 32 equivalent?       Yes       No

B) Find the unknown value in each problem.

- 1)  $5:6 = 15:m$       2)  $k:5 = 7:1$       3)  $6:16 = 3:p$   
 $m = \underline{\hspace{2cm}}$        $k = \underline{\hspace{2cm}}$        $p = \underline{\hspace{2cm}}$
- 4)  $36:63 = s:7$       5)  $9:y = 27:15$       6)  $u:3 = 2:6$   
 $s = \underline{\hspace{2cm}}$        $y = \underline{\hspace{2cm}}$        $u = \underline{\hspace{2cm}}$

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?



\_\_\_\_\_

**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 : 32 equivalent?  Yes  No

B) Find the unknown value in each problem.

- 1)  $5:6 = 15:m$       2)  $k:5 = 7:1$       3)  $6:16 = 3:p$   
 $m = \underline{18}$        $k = \underline{35}$        $p = \underline{8}$
- 4)  $36:63 = s:7$       5)  $9:y = 27:15$       6)  $u:3 = 2:6$   
 $s = \underline{4}$        $y = \underline{5}$        $u = \underline{1}$

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**