

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Equivalent Ratios

Write two equivalent ratios.

1) 

3		
4		

2) 

3		
8		

3) 

12		
11		

4) 

10		
3		

5) 

2		
7		

6) 

5		
12		

Determine whether the ratios are equivalent.

7)  $\frac{9}{2}$  and  $\frac{45}{10}$  \_\_\_\_\_

8)  $\frac{9}{5}$  and  $\frac{18}{10}$  \_\_\_\_\_

9)  $\frac{3}{10}$  and  $\frac{7}{2}$  \_\_\_\_\_

10)  $\frac{6}{11}$  and  $\frac{11}{4}$  \_\_\_\_\_

11)  $\frac{10}{7}$  and  $\frac{60}{42}$  \_\_\_\_\_

12)  $\frac{7}{12}$  and  $\frac{10}{11}$  \_\_\_\_\_

Use equivalent ratios to find the unknown value.

13)  $\frac{z}{14} = \frac{3}{7}$      $z =$  \_\_\_\_\_

14)  $\frac{30}{c} = \frac{5}{9}$      $c =$  \_\_\_\_\_

15)  $\frac{10}{9} = \frac{40}{b}$      $b =$  \_\_\_\_\_

16)  $\frac{8}{3} = \frac{56}{b}$      $b =$  \_\_\_\_\_

17)  $\frac{z}{24} = \frac{7}{8}$      $z =$  \_\_\_\_\_

18)  $\frac{63}{c} = \frac{9}{7}$      $c =$  \_\_\_\_\_



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## Equivalent Ratios

Write two equivalent ratios.

 1) 

3	6	9
4	8	12

 2) 

3	6	9
8	16	24

 3) 

12	24	36
11	22	33

 4) 

10	20	30
3	6	9

 5) 

2	4	6
7	14	21

 6) 

5	10	15
12	24	36

Determine whether the ratios are equivalent.

7)  $\frac{9}{2}$  and  $\frac{45}{10}$  Yes

8)  $\frac{9}{5}$  and  $\frac{18}{10}$  Yes

9)  $\frac{3}{10}$  and  $\frac{7}{2}$  No

10)  $\frac{6}{11}$  and  $\frac{11}{4}$  No

11)  $\frac{10}{7}$  and  $\frac{60}{42}$  Yes

12)  $\frac{7}{12}$  and  $\frac{10}{11}$  No

Use equivalent ratios to find the unknown value.

13)  $\frac{z}{14} = \frac{3}{7}$   $z =$  6

14)  $\frac{30}{c} = \frac{5}{9}$   $c =$  54

15)  $\frac{10}{9} = \frac{40}{b}$   $b =$  36

16)  $\frac{8}{3} = \frac{56}{b}$   $b =$  21

17)  $\frac{z}{24} = \frac{7}{8}$   $z =$  21

18)  $\frac{63}{c} = \frac{9}{7}$   $c =$  49

