

Express the ratio in its simplest form

<b>1)</b> 72:54:81	<b>2)</b> 4.4:3.3:8.8	<b>3)</b> 9 kg :1 $\frac{1}{2}$ kg :9250 g
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**4)** Determine the ratio between the three numbers  $a$ ,  $b$ , and  $c$  given  
that  $a:b=10:1$  and  $b:c=2:1$ .

**5)** The ratios 12: 4: 8 and  $x: 5: y$  are equivalent. Find  $x$  and  $y$

- 6) If  $a=3b/8$  and  $b=8c/7$ , then express the ratio  $a:b:c$  in its simplest numeric form.
- 7) The weights of three containers are in the ratio 14:2:7. The weight of the second container is 58 kg. Calculate the weights of the first and third containers.
- 8) Three factories manufacture identical products in the ratio 13:6:15. The third factory makes 924 more products than the first factory in one month. How many products does each factory make that month?

## Answers

1. 8:6:9
2. 4:3:8
3. 36:6:37
4. 20:2:1
5.  $x=15$ ;  $y=10$
6. 3:8:7
7. first weight = 406 kg, third weight = 203 kg
8. First factory =6,006, second factory =2,772, third factory =6,930