

# Mixed Ratio & Proportion Problems

## Answer Key

1.)  $4 : 2 = 36 : x$ ,  $x = 18$

2.) How many miles per hour is 1,080 miles in 15 hours = **72**

3.) Simplify the ratio  $12 : 132 = 1:11$

4.)  $10 : 1 = 50 : x$ ,  $x = 5$

5.) Simplify the ratio  $8 : 36 = 2:9$

6.) How many miles per hour is 192 miles in 8 hours = **24**

7.) Simplify the ratio  $132 : 24 = 11:2$

8.)  $3 : 7 = 9 : x$ ,  $x = 21$

9.) How many dollars per item is 120 dollars in 4 items = **30**

10.)  $6 : 11 = x : 33$ ,  $x = 18$

11.) Simplify the ratio  $44 : 77 = 4:7$

12.)  $4 : 8 = x : 32$ ,  $x = 16$

13.) Simplify the ratio  $21 : 14 = 3:2$

14.) Simplify the ratio  $30 : 21 = 10:7$

15.)  $4 : 5 = x : 15$ ,  $x = 12$

16.)  $8 : 10 = 16 : x$ ,  $x = 20$

17.) How many pages per minute is 120 pages in 6 minutes = **20**

18.) Simplify the ratio  $28 : 35 = 4:5$

19.) Simplify the ratio  $45 : 27 = 5:3$

20.) How many dollars per item is 200 dollars in 5 items = **40**