

Practice Quiz Answers (10.5, 10.6, 10.7)  
text p. 454 # 1-14 all

1. No, 23 is bigger than 10.

2. No, 0.6 is less than 1

3.  $8 \times 10^6$   
8,000,000  
 $8,000,000$

4.  $1.6 \times 10^{-2}$   
 $.016$

5. 0.00524  
 $5.24 \times 10^{-3}$

6. 8,920,000,000  
 $8.92 \times 10^8$

7.  $(7.26 \times 10^4) + (3.4 \times 10^4)$   
 $10.66 \times 10^4$   
 $1.066 \times 10^5$

8.  $(2.8 \times 10^{-5}) - (1.6 \times 10^{-6})$   
 $(2.8 \times 10^{-5}) - (.16 \times 10^{-5})$   
 $2.64 \times 10^{-5}$

9.  $(2.4 \times 10^4) \times (3.8 \times 10^{-6})$   
 $9.12 \times 10^{-2}$

10.  $(5.2 \times 10^{-3}) \div (1.3 \times 10^{-12})$   
 $4 \times 10^9$

11. a.) Mars  
b.) Saturn

12.  $(2 \times 10^5) \times (1.5 \times 10^8)$   
 $3 \times 10^{13}$  km

13.  $0.0015$   
 $1.5 \times 10^{-3}$  m

14.  $\frac{2.3 \times 10^8}{2.5 \times 10^2}$   
 $\downarrow$   
 $.92 \times 10^6$   
 $920000$   
 $920,000$