

Key

### Practicing Time Conversions

Convert the following to years or a portion of a year (round answers to the nearest thousandth (the 3<sup>rd</sup> decimal place)):

Note: Abbreviations – Year (yr.); Month (mo.); Week (wk.); Day (d.)

1. 19 mo.

$$\frac{19 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{12 \text{ mo.}} = \boxed{1.583 \text{ yr.}}$$

2. 83 wk.

$$\frac{83 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{52 \text{ wk.}} = \boxed{1.596 \text{ yr.}}$$

3. 240 d.

$$\frac{240 \text{ d.}}{365 \text{ d.}} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{0.658 \text{ yr.}}$$

4. 945 d.

$$\frac{945 \text{ d.}}{365 \text{ d.}} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{2.589 \text{ yr.}}$$

5. 3 mo.

$$\frac{3 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{12 \text{ mo.}} = \boxed{0.250 \text{ yr.}}$$

6. 40 wk.

$$\frac{40 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{52 \text{ wk.}} = \boxed{0.769 \text{ yr.}}$$

7. 100 d.

$$\frac{100 \text{ d.}}{365 \text{ d.}} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{0.274 \text{ yr.}}$$

8. 7 mo.

$$\frac{7 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{12 \text{ mo.}} = \boxed{0.583 \text{ yr.}}$$

9. 12 wk.

$$\frac{12 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{52 \text{ wk.}} = \boxed{0.231 \text{ yr.}}$$

10. 14 d.

$$\frac{14 \text{ d.}}{356 \text{ d.}} \Big| \frac{1 \text{ yr.}}{356 \text{ d.}} = \boxed{0.038 \text{ yr.}}$$

11. 45 mo.

$$\frac{45 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{12 \text{ mo.}} = \boxed{3.750 \text{ yr.}}$$

12. 64 wk.

$$\frac{64 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{52 \text{ wk.}} = \boxed{1.231 \text{ yr.}}$$

13. 1500 d.

$$\frac{1500 \text{ d.}}{365 \text{ d.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{4.110 \text{ yr.}}$$

14. 11 mo.

$$\frac{11 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{0.917 \text{ yr.}}$$

15. 30 wk.

$$\frac{30 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{0.577 \text{ yr.}}$$

16. 75 d.

$$\frac{75 \text{ d.}}{365 \text{ d.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{0.205 \text{ yr.}}$$

17. 500 mo.

$$\frac{500 \text{ mo.}}{12 \text{ mo.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{41.667 \text{ yr.}}$$

18. 4 wk.

$$\frac{4 \text{ wk.}}{52 \text{ wk.}} \Big| \frac{1 \text{ yr.}}{1} = \boxed{0.077 \text{ yr.}}$$

\*\*\*Harder!!!

19. 5050 hours

$$\frac{5050 \text{ hr}}{24 \text{ hr.}} \Big| \frac{1 \text{ day}}{1} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{0.576 \text{ yr.}}$$

20. 46000 minutes

$$\frac{46000 \text{ min}}{60 \text{ min}} \Big| \frac{1 \text{ hr.}}{1} \Big| \frac{1 \text{ d.}}{24 \text{ hr.}} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{0.088 \text{ yr.}}$$

21. 34567890 seconds

$$\frac{34567890 \text{ s}}{60 \text{ s}} \Big| \frac{1 \text{ min}}{1} \Big| \frac{1 \text{ hr.}}{60 \text{ min}} \Big| \frac{1 \text{ d.}}{24 \text{ hr.}} \Big| \frac{1 \text{ yr.}}{365 \text{ d.}} = \boxed{1.096 \text{ yr.}}$$