

MY Homework

Lesson 7

Convert Units of Time

Homework Helper



Need help? connectED.mcgraw-hill.com

**Chloe is celebrating her 3rd birthday.
How many weeks old is she?**

To convert a larger unit (years) to a smaller unit (weeks), you need to multiply.

$$\begin{array}{r} 52 \leftarrow \text{weeks in a year} \\ \times 3 \leftarrow \text{Chloe's age in years} \\ \hline 156 \end{array}$$

So, Chloe is 156 weeks old.

Conversion Chart Units of Time

$$1 \text{ minute (min)} = 60 \text{ seconds (s)}$$

$$1 \text{ hour (h)} = 60 \text{ min}$$

$$1 \text{ day (d)} = 24 \text{ h}$$

$$1 \text{ week (wk)} = 7 \text{ d}$$

$$1 \text{ year (y)} = 52 \text{ wk} = 12 \text{ months (mo)}$$

Practice

Convert units to complete each equation.

1. 3 minutes = _____ seconds

2. 5 weeks = _____ days

3. _____ months = 5 years

4. _____ minutes = 6 hours

5. 4 days = _____ hours

6. _____ weeks = 8 years

7. $1\frac{1}{2}$ days = _____ hours

8. $3\frac{2}{7}$ weeks = _____ days

9. _____ months = $4\frac{3}{4}$ years

10. _____ minutes = 6 hours and 42 minutes

Complete each conversion table.

11.

weeks (wk)	days (d)	(wk, d)
2		
4		
6		
8		

12.

minutes (min)	hours (h)	(min, h)
	9	
	7	
	5	
	3	



Problem Solving

13. Emma is $9\frac{1}{4}$ years old. How many months old is Emma?

14. **Mathematical PRACTICE** **Model Math** Vincent is watching a movie that lasts 1 hour and 37 minutes. He has watched 52 minutes so far. How many minutes are left in the movie?

15. Lexie started her homework at 4:30 P.M. She finished at 5:05 P.M. How many seconds did it take her to finish her homework?

Vocabulary Check



16. How many seconds are in 1 minute? _____

Test Practice

17. Cameron's book log shows that he read a total of $4\frac{1}{4}$ hours last month. How many minutes is that?

- (A) 240 minutes (C) 255 minutes
 (B) 250 minutes (D) 270 minutes

