



3rd  
Basic

4th  
Advanced

# Helping With Math

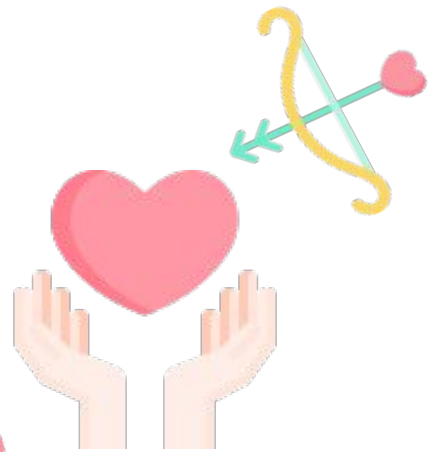
USA  
GRADES

## Converting Units of Time (days, weeks, months, and years)

Suitable for students  
aged 7-9



This pack is suitable for learners aged 7-9 years old or 3rd to 4th grades (USA). The content covers fact files and relevant basic and advanced activities involving converting units of time (days, weeks, months, and years).

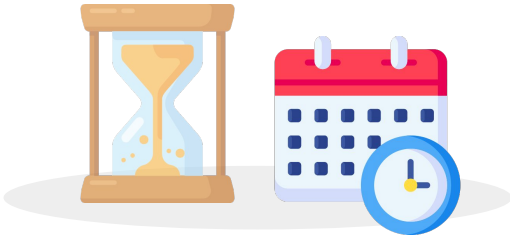


**Valentine's Day** or *St. Valentine's Day* (February 14) is a popular holiday in the US, Britain, Canada, Australia, Argentina, South Korea, the Philippines, and more. It is a holiday when people express their affection with greetings and gifts.

- Time is defined as the ongoing series of events taking place.
- The second is the basic unit of time. Time can also be expressed in minutes, hours, days, weeks, months, and years.
- Clocks are used to measure time, while calendars are for counting the number of days, weeks, and years.
- Time is helpful in scheduling and determining our daily tasks such as studying time, playing time, working time, etc.



## Conversion Table for Time



Based on the Conversion Table for Time on the right,

- The smallest unit of time is a day.
- The largest unit of time is a millennium.
- When converting a smaller unit to a larger unit, we use division.
- When converting a larger unit to a smaller unit, we use multiplication.

Conversion Table for Time	
7 days	1 week
28 - 31 days	1 month
365 days	1 year
12 months	1 year
366 days	1 leap year
52 weeks	1 year
2 weeks	1 fortnight
10 years	1 decade
100 years	1 century
1000 years	1 millenium

### Illustrative Examples:

1. The celebration of Valentine's Day is three weeks from now. How many days are there before the said holiday?

Based on the Conversion Table, a week has 7 days. Thus,

$$3 \text{ (weeks)} \times 7 \text{ (days)} = 3 \times 7 = \mathbf{21 \text{ days}}$$

***There are 21 days before the Valentine's Day.***



## ILLUSTRATIVE EXAMPLES

2. Ali would like to surprise his mom with a bouquet of red roses. He ordered from a flower shop 10 days before the Valentine's day. What is the equivalent of that in weeks?

Based on the Conversion Table, 7 days = 1 week Thus,



$$10 \div 7 \text{ (days)} = 1.43 \text{ weeks}$$

***10 days is equal to 1.43 weeks.***

3. Ali's parents are celebrating their 25th wedding anniversary on Valentine's day this year. Convert 25 years to

- a. Decade
- b. Months
- c. fortnight
- d. weeks



# TABLE OF ACTIVITIES

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# ST. VALENTINE OF ROME

G3

Basic

St. Valentine of Rome was a Roman priest and physician during the 3rd century. Honor him by converting days to weeks and vice versa.

1.) 14 days = \_\_\_\_\_ weeks

6.) 8 weeks = \_\_\_\_\_ days

2.) 56 days = \_\_\_\_\_ weeks

7.) 2 weeks = \_\_\_\_\_ days

3.) 35 days = \_\_\_\_\_ weeks

8.) 6 weeks = \_\_\_\_\_ days

4.) 70 days = \_\_\_\_\_ weeks

9.) 10 weeks = \_\_\_\_\_ days

5.) 42 days = \_\_\_\_\_ weeks

10.) 5 weeks = \_\_\_\_\_ days



*St. Valentine is the patron saint of engaged couples and happy marriages, as well as beekeepers and epilepsy*

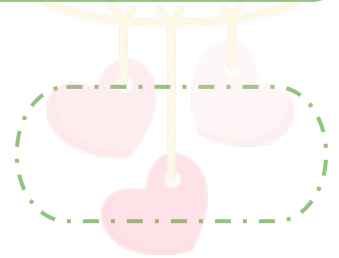


# FREE CANDIES AND CHOCOLATES

G3  
Basic

Get free candies and chocolates this Valentine's Day by answering the questions below. Write your answer on the space provided.

1.) I will buy gifts for valentine's day 21 days from now. How many weeks is that?

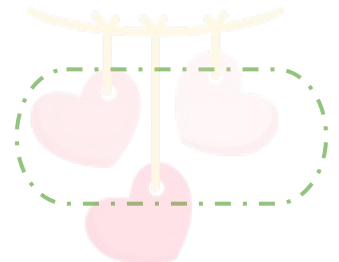


2.) I will buy a cake for my birthday which is also the same day as Valentine's Day, 35 days from now. How many weeks is that?

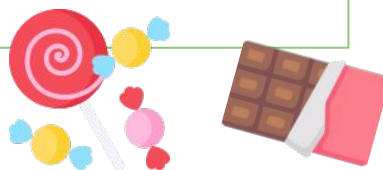
3.) Cherry and Cass will buy flowers for Valentine's Day, 1 week from now. How many days is that?

4.) Aldrin will buy chocolates and flowers for his mother, 1 month before Valentine's Day. How many weeks is that?

5.) My best friend gave me a bouquet 3 weeks earlier before the Valentine's Day. How many days is that?



6.) My family will celebrate Valentine's Day in Seattle, 2 weeks from now. How many days is that?



# TIME FOR VALENTINE'S DAY

G3  
Basic

Challenge yourself this Valentine's day by converting these units of time. Solve then encircle the letter of your choice.

1.) How many days are there in 2 weeks?

- a. 7 days    b. 21 days    c. 14 days    d. 28 days

2.) How many days are there in 3 weeks?

- a. 21 days    b. 35 days    c. 49 days    d. 14 days

3.) There are \_\_\_\_\_ days in 4 weeks.

- a. 56 days    b. 28 days    c. 21 days    d. 70 days

4.) There are \_\_\_\_\_ days in 8 weeks.

- a. 14 days    b. 35 days    c. 28 days    d. 56 days

5.) 42 days is equivalent of \_\_\_\_\_ weeks

- a. 6 weeks    b. 2 weeks    c. 4 weeks    d. 8 weeks



# A DAY FOR CELEBRATION OF LOVE

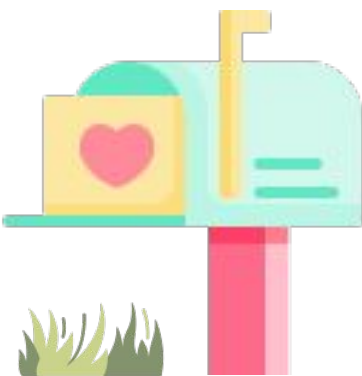
G3  
Basic

February 14 is the day that we celebrate love above all others. Ali, Ben, Mel, and Cris listed below the time they spent to prepare their greeting cards for their family and friends. Help them to convert these to the desired units.

Note: 1 month = 30 days

Days	Weeks	Months
30	_____	1
_____	12	3
150	_____	5
60	8	_____

Solution:



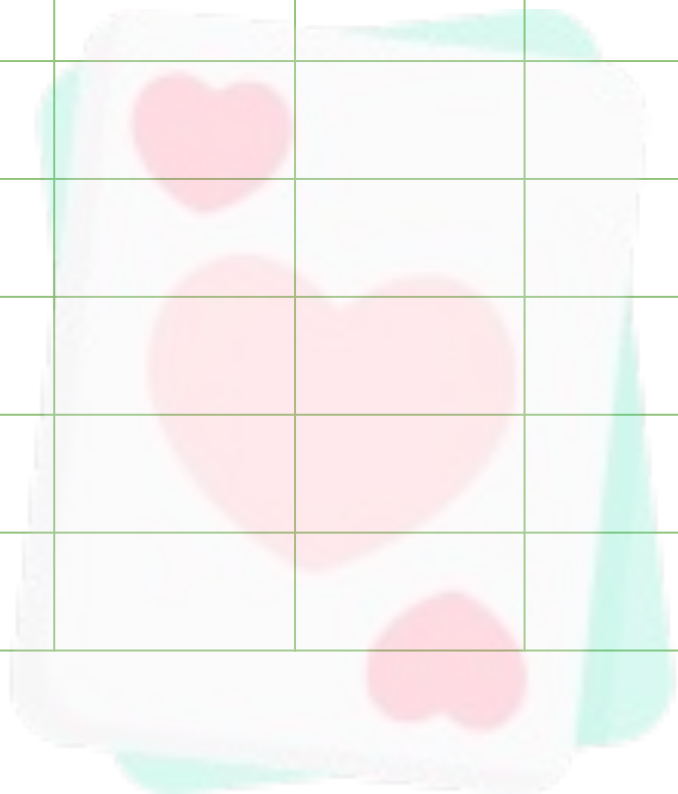


# MY LOVE CARDS' RECIPIENTS

G3  
Basic

Think of your family members and friends that you would like to give a Valentine's card. List their names and age. Convert their age (in years) to months, weeks, and days.

Name	Age (in years)	Age (in months)	Age (in weeks)	Age (in days)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				



# PAIRED HEARTS

G4  
Advanced

Find the pair of these hearts by identifying their equivalent measures. Write the letter of your choice on the space provided.



1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_



5. \_\_\_\_\_



6. \_\_\_\_\_



7. \_\_\_\_\_



8. \_\_\_\_\_



9. \_\_\_\_\_

A. 3 weeks

B. 8 weeks

C. 2 weeks

D. 1 week

E. 5 weeks

F. 42 days

G. 28 days

H. 14 days

I. 70 days

J. 63 days

K. 48 days

L. 60 days



# SPREAD LOVE AND CARE

G4  
Advanced

Spread love and care this Valentine's Day by converting the following measures of time below. Make sure to accomplish both tasks.

Note: 1 month = 30 days



Days	Weeks	Months
7	1	_____
_____	4	1
365	_____	12
180	24	_____

1. How many months are there in 5 years?
2. If there are 4 weeks in a month, how many weeks are there in 3 years?
3. 365 days is equal to 1 year, how many months are there in 6 years?



# SENDING HEARTS TO OUR FAMILY

G4  
Advanced

Send hearts to our family this Valentine's Day as you convert the following measures of time.

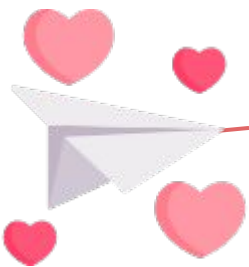
4) 60 months = \_\_\_\_\_ years



3) 2 decades = \_\_\_\_\_ years

2) 2 years = \_\_\_\_\_ months

1) 8 months = \_\_\_\_\_ weeks



# VALENTINE'S DAY FAIR

G4  
Advanced

The 4th grade learners would like to prepare a simple fair in celebration of Valentine's Day. Help them to solve their problems that can be answered by converting units of time.

1. The Valentine's fair has already become a tradition twenty years ago. How many months is equal to 20 years?



2. The planning of the fair was  $4 \frac{1}{2}$  months ago. How many weeks is the equivalent of that?



3. For the last year's Valentine's fair, the oldest customer was 28 years old while the youngest was 7 years old. What is their age gap in terms of months?



4. Valentine's Riddle 1: If 4 months have 16 weeks, how many days are there in 16 weeks?



5. Valentine's Riddle 2: If there are 4 weeks in 1 month, how many weeks are there in 5 months



# MY VALENTINE'S DAY STORY

G4  
Advanced

Share to us your favorite Valentine's day experience. Make sure to include at least five units of time and underline them. On a separate space, convert them either one unit higher or lower.

## MY VALENTINE'S DAY STORY



Conversion space



# ANSWER GUIDE

## Activity 1

1. 2 weeks
2. 8 weeks
3. 5 weeks
4. 10 weeks
5. 6 weeks
6. 56 days
7. 14 days
8. 42 days
9. 70 days
10. 35 days

## Activity 2

1. 3 weeks
2. 5 weeks
3. 7 days
4. 4 weeks
5. 21 days
6. 14 days

## Activity 3

1. B
2. A
3. B
4. D
5. A

## Activity 5

Answers may vary.

## Activity 6

1. D
2. A
3. E
4. C
5. B
6. H
7. F
8. G
9. J

## Activity 4

Days	Weeks	Months
30	4	1
90	12	3
150	20	5
60	8	2

## Activity 7

Days	Weeks	Months
7	1	1/4
28	4	1

Days	Weeks	Months
365	52	12
180	24	6

1. 60 months
2. 156 weeks
3. 72 months



# ANSWER GUIDE

## Activity 8

1. 32 weeks
2. 24 months
3. 20 years
4. 5 years

## Activity 9

1. 20 years = 240 months
2. 4 ½ months = 18 weeks
3. The age gap is 21 years. 21 years = 252 months.
4. 16 weeks = 112 days
5. 5 months = 20 weeks

## Activity 10

1. Answers may vary.





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