

# Arithmetic

$33 \times 6 =$

$88 \times 5 =$

$84 \div 4 =$

## Finding Number of Days

Lesson  
19

### In Focus

January						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

March						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



Ravi

Each month has 30 days.



Ruby

I don't think that's correct.



Who is correct?

## Let's Learn

- 1 There are 30 days in some months.

April							June							September							November							
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
		1	2	3	4	5	1	2	3	4	5	6	7	1	2	3	4	5	6						1			
6	7	8	9	10	11	12	8	9	10	11	12	13	14	7	8	9	10	11	12	13	2	3	4	5	6	7	8	
13	14	15	16	17	18	19	15	16	17	18	19	20	21	14	15	16	17	18	19	20	9	10	11	12	13	14	15	
20	21	22	23	24	25	26	22	23	24	25	26	27	28	21	22	23	24	25	26	27	16	17	18	19	20	21	22	
27	28	29	30				29	30						28	29	30					23	24	25	26	27	28	29	
																						30						

- 2 There are 31 days in other months.

January							March							May							July							
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
			1	2	3	4							1				1	2	3			1	2	3	4	5		
5	6	7	8	9	10	11	2	3	4	5	6	7	8	4	5	6	7	8	9	10	6	7	8	9	10	11	12	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	11	12	13	14	15	16	17	13	14	15	16	17	18	19	
19	20	21	22	23	24	25	16	17	18	19	20	21	22	18	19	20	21	22	23	24	20	21	22	23	24	25	26	
26	27	28	29	30	31		23	24	25	26	27	28	29	25	26	27	28	29	30	31	27	28	29	30	31			
							30	31																				

  

August							October							December								
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S		
					1	2				1	2	3	4				1	2	3	4	5	6
3	4	5	6	7	8	9	5	6	7	8	9	10	11	7	8	9	10	11	12	13		
10	11	12	13	14	15	16	12	13	14	15	16	17	18	14	15	16	17	18	19	20		
17	18	19	20	21	22	23	19	20	21	22	23	24	25	21	22	23	24	25	26	27		
24	25	26	27	28	29	30	26	27	28	29	30	31		28	29	30	31					
31																						

- 3 In February, there are 28 days or 29 days.

year	number of days in February	year	number of days in February
2012	29	2017	28
2013	28	2018	28
2014	28	2019	28
2015	28	2020	29
2016	29	2021	28

What do you notice?



We say that 2012, 2016 and 2020 are leap years. In leap years, there are 29 days in February.

4 How many days are in a year that is not a leap year?



4 × 30 days



7 × 31 days

Then we need to  
add the number of days  
in February.



In a leap year,  
there are 366 days.



In a year that is not a leap year, there are 365 days.

## Guided Practice

Solve.

1 Charles took the entire month of March to complete a project.  
How many days did he take? **31 days**

2 Lulu took two months to read a collection of 8 books.  
How many days did she take?  
**It depends on which two months**

Does it matter which  
two months it was?



Solve.

**2** A bridge was built during the months of October and November.  
How many days did it take to build the bridge?

**3** A boy in my school was born on February 29.  
The sum of the digits of the year he was born is 10.  
In which year was he born?

**4** Holly's father spent three months working overseas from the first day of January to the last day in March in 2010. How many days was Holly's father away overseas for work?



## Answers

2)

3)

4)