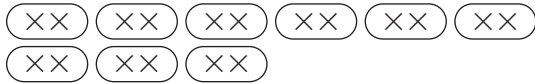


Student Guide

Multiples on the Calendar (SG pp. 64–65)

Questions 1–10

1.\* Possible responses: Tara could skip count by 2s until she says 18; she can make a drawing



to show 9 groups of 2, she can write the number sentence  $2 \times 9 = 18$  or  $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$ .

2.\*  $2 \times 9 = 18$  or  $9 \times 2 = 18$

3. No. Possible responses: When you skip count by 2s you will not say 17. Or, if you make a drawing, you will have 8 groups of 2 with 1 left over.



4.  $8 \times 2 + 1 = 17$

5. November 13,  $3 \times 4 + 1 = 13$

6. November 12,  $3 \times 4 = 12$

7. November 9,  $2 \times 4 + 1 = 9$

8. November 11,  $2 \times 4 + 3 = 11$

9. November 2,  $0 \times 4 + 2 = 2$

10. November 3,  $0 \times 4 + 3 = 3$

### Multiples on the Calendar

Mrs. Hunter's class decided to use this month's calendar to find multiples of 2 and to practice writing number sentences. **Multiples** of a number are the products of that number and any other whole number. For example,  $2 \times 3 = 6$ . Six is a multiple of 2 and 3. Mrs. Hunter asked each group to look at today's date and decide whether it is a multiple of 2. If the date is a multiple of two, the group should circle it.

Tara's group saw that the date was September 18. Tara decided that 18 is a multiple of 2 and circled it on the calendar.

September						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	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	1	2	3

**Discuss**

- What strategies could Tara use to show 18 is a multiple of 2?
- What number sentence should Tara write to show that 18 is a multiple of 2?
- If today is September 18, yesterday was the 17th. Is 17 a multiple of 2? Show or tell how you know.
- To write a number sentence for 17, you will need to use multiplication and addition. Complete this number sentence for 17:  
 $\square \times 2 + 1 = 17$

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### Explore

Look at a calendar for this month. Focus on the days that have passed. Work with your classmates to decide if the number for each day is a multiple of 2. Write a number sentence or draw a picture for each date.

✓ **Check-In: Questions 5-10**

Mrs. Hunter's class found the multiples of 4 on their November calendar. They wrote number sentences or drew pictures for each of the dates on small pieces of paper and taped them to the calendar. When they came into class, they found some of the pieces of paper on the floor.

Help them decide which piece of paper belongs on which date on the calendar.

5.  $3 \times 4 + 1 =$

6.  $\square \times 4 = 12$

7.  $\begin{matrix} \text{XXXX} \\ \text{XXXX} \end{matrix} \times$

8.  $2 \times 4 + 3 =$

9.  $0 \times 4 + 2 =$

10.  $\square \times 4 + 3 = 3$

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\*Answers and/or discussion are included in the lesson.