

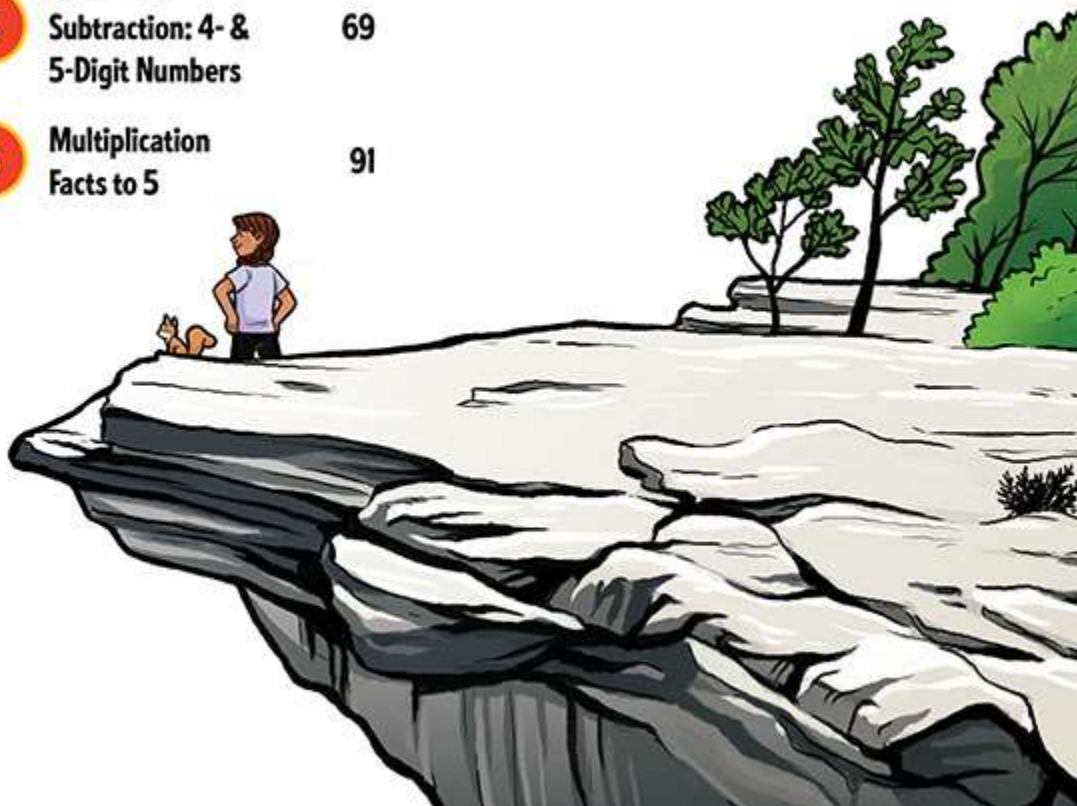


Fourth Edition

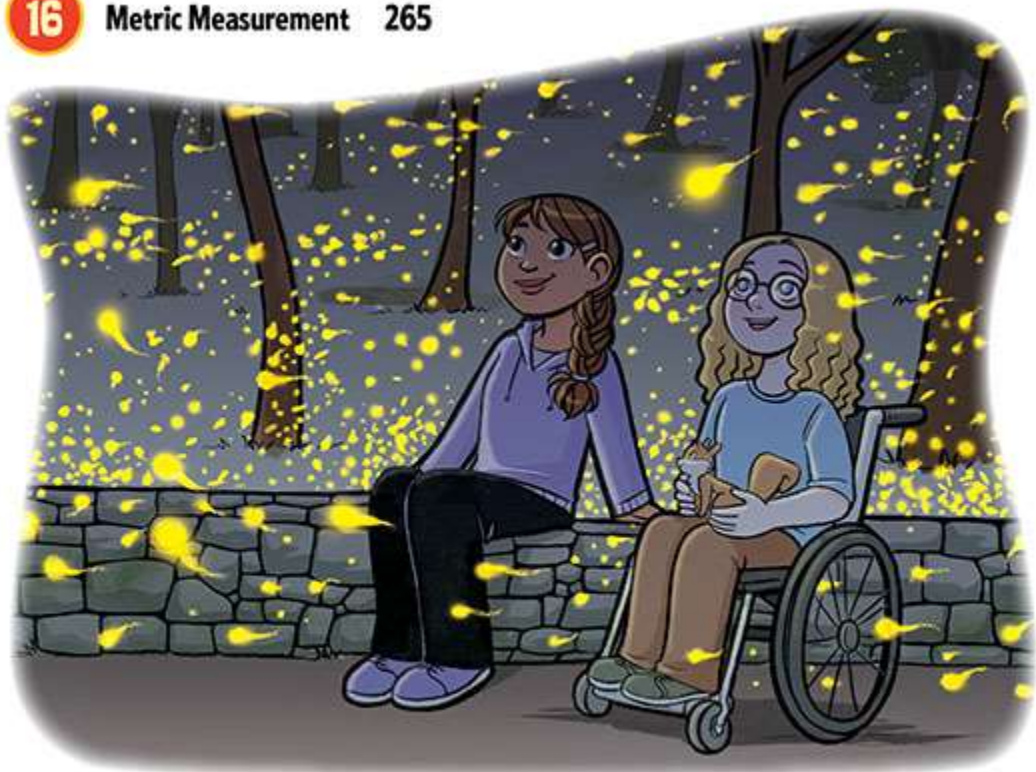


Contents

1	Addition & Subtraction Facts	1	7	Division Facts to 5	107
2	Place Value to 1,000,000	17	8	Time & Calendars	125
3	Addition & Subtraction: 2- & 3-Digit Numbers	33	9	Customary Measurement	141
4	Data	53	10	Fractions	155
5	Addition & Subtraction: 4- & 5-Digit Numbers	69			
6	Multiplication Facts to 5	91			



11	Multiplication Facts to 10	175	17	Multiply by 1-Digit Numbers	279
12	Division Facts to 10	197	18	Divide by 1-Digit Numbers	299
13	Geometry	215	19	Decimals	321
14	Money	231	20	Math Review	339
15	More Geometry	245		Photo Credits	361
16	Metric Measurement	265			



Serve with Math

- Math is a tool to help people work.
- Math shows the world is designed.
- Math helps people help people.
- Math does not have all the answers.



Math and Work

Work is accomplishing a task. Math can be used in a variety of ways to accomplish simple and complex tasks.

During a visit to Isle Royale National Park, Hailey and Horatio will get to do some unexpected work. Hailey is excited to enjoy the beauty of the park, but she is even more excited to use addition and subtraction facts to accomplish a task for Joe, the lighthouse attendant.

Discuss various tasks your child is responsible for accomplishing at home and at school. For each task, ask your child whether he uses math to accomplish that task. Emphasize that work is accomplishing a task and that math is a tool used to accomplish many tasks in life.

Math in the Home

Daily life offers many opportunities to help your child practice his math skills. Make word problems a part of your daily conversation. For example, say, "A box of pudding mix makes 4 servings. Will 1 box be enough to serve a family of 6 people? If not, how many more servings are needed? How many boxes of pudding mix are needed?"

The following fact families were introduced during this chapter. Provide opportunities for your child to practice these facts using addition and subtraction flashcards, oral practice, and games.

8-9-17 9-9-18

7-9-16 8-8-16

6-9-15 7-8-15

5-9-14 6-8-14

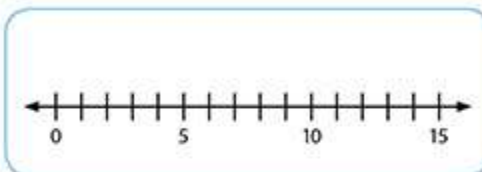
6-7-13 7-7-14

Math is a tool to help people work.

1. 15 people came to the park this morning. 8 people went hiking on the trails. How many people did not go hiking?

$$\underline{\quad} \bigcirc \underline{\quad} \bigcirc \underline{\quad}$$

_____ did not go hiking.



2. 6 boys, 4 girls, and 3 adults visited the lighthouse today. How many people visited the lighthouse today?

$$(\underline{\quad} + \underline{\quad}) + \underline{\quad} = \underline{\quad}$$

_____ visited the lighthouse today.

3. Joe needs to find out how many people visited the lighthouse yesterday between 5 p.m. and 6 p.m. He knows 7 people visited between 4 p.m. and 5 p.m. and 15 people visited between 4 p.m. and 6 p.m. How many people visited the lighthouse between 5 p.m. and 6 p.m.?

$$7 + n = 15$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$7 + \underline{\quad} = 15$$

_____ visited the lighthouse between 5 p.m. and 6 p.m.

4. Joe and Hailey used math as a tool to accomplish what task?

Addition Strategies; The Identity Property

Name _____

Chapter 1

Use the Identity Property to solve.

1. $3 + 0 = \underline{\quad}$

2. $0 + 5 = \underline{\quad}$

When 1 addend is 0, what is true about the sum?

Add doubles or near doubles to solve.

3.
$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$$

Count on 1 or 2 to solve.

8. $4 + 1 = \underline{\quad}$

9. $1 + 8 = \underline{\quad}$

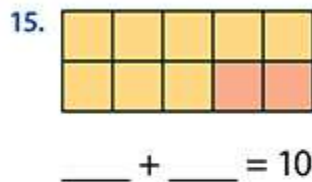
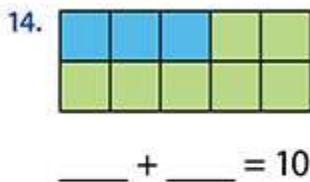
10. $9 + 2 = \underline{\quad}$

11. $2 + 5 = \underline{\quad}$

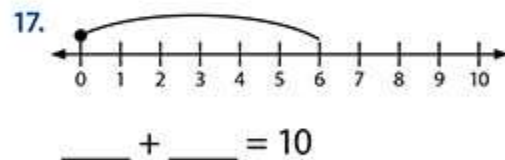
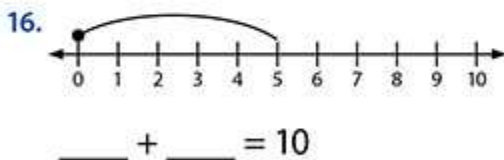
12. $7 + 1 = \underline{\quad}$

13. $2 + 4 = \underline{\quad}$

Write an addition fact for the picture.



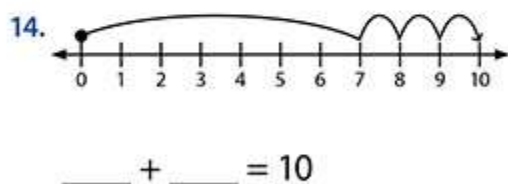
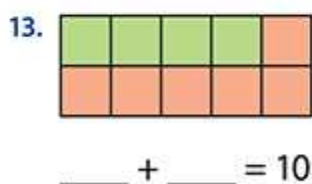
Draw more jumps to make 10. Write an addition fact for the picture.



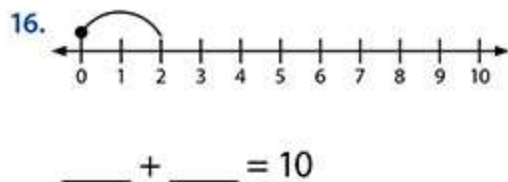
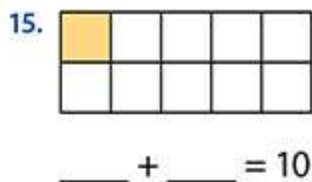
Use a strategy to solve.

- | | | |
|---------------------------------|---------------------------------|---------------------------------|
| 1. $4 + 0 = \underline{\quad}$ | 2. $1 + 5 = \underline{\quad}$ | 3. $6 + 2 = \underline{\quad}$ |
| 4. $5 + 5 = \underline{\quad}$ | 5. $6 + 7 = \underline{\quad}$ | 6. $2 + 7 = \underline{\quad}$ |
| 7. $4 + 3 = \underline{\quad}$ | 8. $0 + 8 = \underline{\quad}$ | 9. $9 + 9 = \underline{\quad}$ |
| 10. $3 + 3 = \underline{\quad}$ | 11. $7 + 8 = \underline{\quad}$ | 12. $6 + 0 = \underline{\quad}$ |

Write an addition fact for the picture.



Complete the picture to make 10. Write an addition fact for the picture.



Time to Review

Count by 1s and write the missing numbers.

17. 13
18. 31
19. 57

Subtraction Strategies; The Zero Property

Name _____

Complete the table.

1. Zero Property of Subtraction

- 0	
6	
4	
9	

2. Count Back 1

- 1	
1	
7	
5	

3. Count Back 2

- 2	
4	
3	
6	

Subtract from 10 to solve.

4.
$$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

Subtract all or nearly all to solve.

9.
$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 7 \\ - 7 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 2 \\ - 2 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$$

Use a strategy to solve.

14. $6 - 1 = \underline{\quad}$

15. $8 - 8 = \underline{\quad}$

16. $9 - 2 = \underline{\quad}$

17. $5 - 0 = \underline{\quad}$

18. $7 - 2 = \underline{\quad}$

19. $8 - 7 = \underline{\quad}$

20. $10 - 9 = \underline{\quad}$

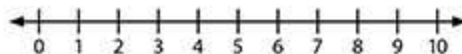
21. $5 - 2 = \underline{\quad}$

22. $7 - 0 = \underline{\quad}$

23. $2 - 0 = \underline{\quad}$

24. $9 - 1 = \underline{\quad}$

25. $4 - 4 = \underline{\quad}$



Complete the table.

1. Zero Property of Subtraction

- 0	
2	
8	
5	

2. Count Back 1

- 1	
9	
6	
3	

3. Count Back 2

- 2	
7	
8	
9	

Use a strategy to solve.

4.
$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 3 \\ - 3 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 3 \\ - 0 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7 \\ - 0 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 8 \\ - 8 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$



Match the number with its word form.

19. ____ 11

A. fifteen

25. ____ 7

G. twelve

20. ____ 15

B. four

26. ____ 19

H. nine

21. ____ 1

C. eleven

27. ____ 18

I. nineteen

22. ____ 16

D. one

28. ____ 3

J. three

23. ____ 4

E. ten

29. ____ 12

K. eighteen

24. ____ 10

F. sixteen

30. ____ 9

L. seven

Solve.

$$\begin{array}{r} 1. \quad 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 6 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 10 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 9 \\ - 0 \\ \hline \end{array}$$

Solve. Write the related addition fact.

$$\begin{array}{l} 6. \quad 6 + 4 = \underline{\quad} \quad 7. \quad 9 + 8 = \underline{\quad} \quad 8. \quad 3 + 7 = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \quad \underline{\quad} + \underline{\quad} = \underline{\quad} \quad \underline{\quad} + \underline{\quad} = \underline{\quad} \end{array}$$

Use parentheses to group the addends. Solve.

$$9. \quad 7 + 2 + 3 = \underline{\quad} \quad 10. \quad 4 + 2 + 8 = \underline{\quad} \quad 11. \quad 5 + 1 + 9 = \underline{\quad}$$

Circle the 2 numbers that make 10. Count on from 10 to solve.

$$\begin{array}{r} 12. \quad 5 \\ \quad 5 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 7 \\ \quad 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 4 \\ \quad 1 \\ \quad 6 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 5 \\ \quad 2 \\ \quad 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 3 \\ \quad 1 \\ \quad 4 \\ + 9 \\ \hline \end{array}$$

© BJU Press. Reproduction prohibited.

Write the related subtraction fact to find the missing addend.

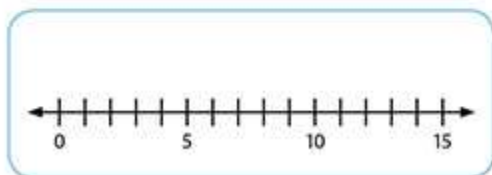
$$\begin{array}{l} 17. \quad 4 + n = 7 \quad 18. \quad 9 + n = 16 \quad 19. \quad 3 + n = 11 \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \quad \underline{\quad} - \underline{\quad} = \underline{\quad} \quad \underline{\quad} - \underline{\quad} = \underline{\quad} \\ 4 + \underline{\quad} = 7 \quad 9 + \underline{\quad} = 16 \quad 3 + \underline{\quad} = 11 \end{array}$$

Write the related facts for the fact family.

20.	5	7	12	21.	6	8	14	22.	7	9	16			
___	+	___	=	___	___	+	___	=	___	___	+	___	=	___
___	+	___	=	___	___	+	___	=	___	___	+	___	=	___
___	-	___	=	___	___	-	___	=	___	___	-	___	=	___
___	-	___	=	___	___	-	___	=	___	___	-	___	=	___

Solve. Complete the sentence to answer the question.

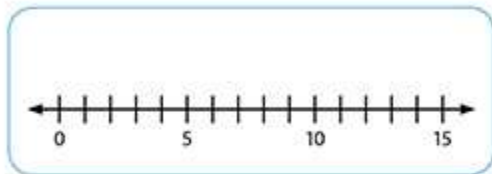
23. Jackson picked 6 cucumbers from his garden. He picked 5 cucumbers from his grandfather's garden. How many cucumbers did Jackson pick?



___ ○ ___ ○ ___

Jackson picked _____

24. Callie counted 15 cats living in her barn. She gave 9 of them away. How many cats still live in her barn?



___ ○ ___ ○ ___

_____ still live in her barn.

© BJU Press. Reproduction prohibited.

Complete the sentence. Write 2 tasks that you can use math to accomplish today.

25. Work is accomplishing a _____
