



To the Parent

In Chapter 1 your child studied strategies and properties of addition as he developed the following skills. These will help him better understand addition and memorize addition facts to 18.

- Represent the part-whole relationship of addition using various manipulatives including number lines
- Apply rules of addition to 2 or more addends
- Practice the strategies of *counting on 1 or 2*, composing 10, decomposing to make 10, and adding doubles or near doubles
- Identify numbers as even or odd
- Find a missing addend

Serve with Math

Matt and his pet beaver, Paddy, are preparing to leave Ohio to help build houses. Their journeys will take them all around the world. Along the way they will face a variety of challenges that require math skills. As your child learns about Matt's ministry of building homes around the world, he will learn that math is a powerful tool for doing work. Doing jobs well is an important way Christians serve God with math.

Math in the Home

Your child learned that daily life offers many opportunities to practice math skills. Make word problems a part of your daily conversation. For example, say, "You have 6 markers and your friend has 5 markers. If you both share your markers, how many do you have to choose from?" or "We brought a package of 8 hot dog buns to the cookout. The Parker family also brought a package of hot dog buns. There were 16 hot dog buns at the cookout. How many hot dog buns were in the package the Parker family brought?"

The following facts were introduced in this chapter. Encourage your child to use strategies and manipulatives to help build fact automaticity. Math apps and games provide a fun way to practice facts.

0+1 0+2 0+3 0+4 0+5 0+6 0+7 0+8 0+9
 1+0 2+0 3+0 4+0 5+0 6+0 7+0 8+0 9+0
 1+2 1+3 1+4 1+5 1+6 1+7 1+8 1+9
 2+1 3+1 4+1 5+1 6+1 7+1 8+1 9+1
 2+3 2+4 2+5 2+6 2+7 2+8 2+9
 3+2 4+2 5+2 6+2 7+2 8+2 9+2
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 0+0 1+1 2+2 3+3 4+4 5+5

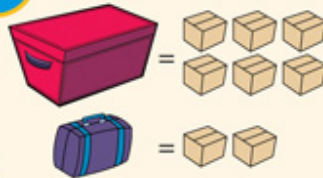
1. Matt found 1 hammer. Then he found 4 more. How many hammers did Matt find?

___ ○ ___ ○ ___

Matt found _____

Matt is packing his tools in boxes. He will pack the boxes into 2 trunks and 1 suitcase.

Key



2. How many boxes can 2 trunks hold?

___ ○ ___ ○ ___

2 trunks can hold ___ boxes.

3. How many boxes can 2 trunks and 1 suitcase hold?

___ ○ ___ ○ ___

2 trunks and 1 suitcase can hold ___ boxes.

4. Matt has filled 6 boxes. How many more boxes can he fill to have 14 boxes altogether?

___ ○ ___ ○ ___

Matt can fill ___ more boxes.

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Serving God with Math

Chapter 1

Think about a time when you took cookies or cupcakes to share with some friends. How did you know how many to take? You used math.

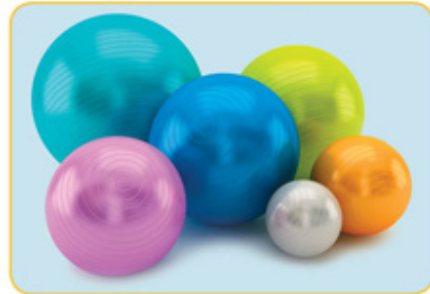
A Christian wants to please God with his life. Math is a tool to do that.

Here are several ideas to think about as you study math this year.



1. God is the Creator.

Studying math helps people see that the entire world was made by God. He made the world so that math works with everything! You can add cookies or cars. You can subtract balls or elephants. This shows that everything was made by a wise Creator.



2. God put people on the earth to work.

Work is good. The Bible says in Genesis 1:28 that God created people to work. God gave Adam work to do in the Garden of Eden (Genesis 2:15). Almost every kind of work uses math. Learning math is important because it helps you do the work God gives you.



3. People are important.

God created people “in his own image” (Genesis 1:27). This means that people are special and important. Jesus said that it is important to love other people (Mark 12:31). Many times you use math to love other people.



4. Math has limits.

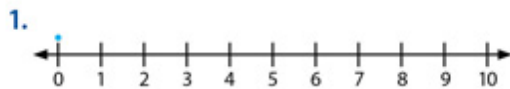
Math helps you do many things, but math cannot tell you to work hard or to love people. Math cannot tell you what is right or wrong. Only the Bible can teach you right from wrong.



You use math every day. The Bible helps you know the right way to use math!

Count On; Add 0

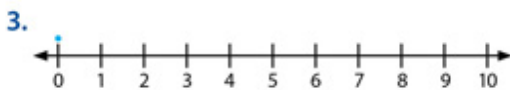
Draw jumps to show *counting on*. Solve.



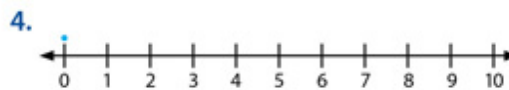
$$7 + 1 = \underline{\quad}$$



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



$$6 + 1 = \underline{\quad}$$



$$8 + 2 = \underline{\quad}$$

Write the related addition fact. *Count on* to solve.

5. $1 + 9 = \underline{\quad}$

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

6. $2 + 3 = \underline{\quad}$

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

Add 0 to solve.

7. $2 + 0 = \underline{\quad}$

8. $0 + 7 = \underline{\quad}$

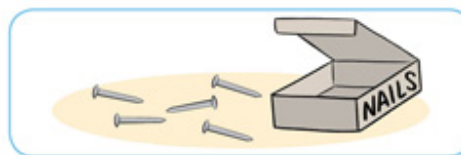
When 1 addend is 0, what is true about the sum?

Solve. Write a sentence to answer the question.

9. Zeb counted 5 nails beside the box. There were no nails left in the box. How many nails does Zeb have?

$\underline{\quad}$ ○ $\underline{\quad}$ ○ $\underline{\quad}$

Zeb has _____



Write an addition equation for the part-whole model. Circle each addend. Draw a square around the sum.

1.  _____ + _____ = _____

How could you define the math terms *addend* and *sum*?

Add 0 or count on 1 or 2 to solve.

2. $3 + 0 = \underline{\quad}$

3. $1 + 4 = \underline{\quad}$

4. $5 + 2 = \underline{\quad}$

5. $1 + 8 = \underline{\quad}$

6. $8 + 0 = \underline{\quad}$

7. $5 + 1 = \underline{\quad}$

8. $7 + 2 = \underline{\quad}$

9. $2 + 1 = \underline{\quad}$

10. $1 + 3 = \underline{\quad}$

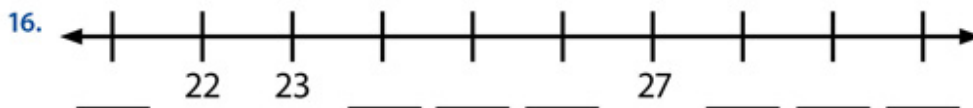
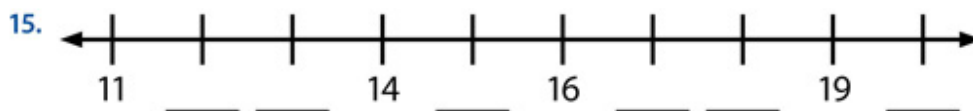
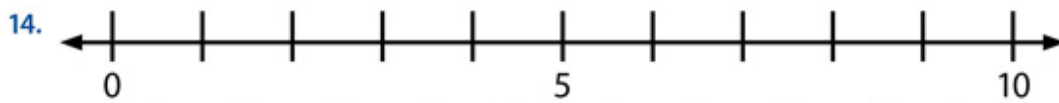
11. $0 + 6 = \underline{\quad}$

12. $9 + 2 = \underline{\quad}$

13. $9 + 1 = \underline{\quad}$

Time to Review 

Write the missing numbers.



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Missing Addend

Draw more shapes to find the missing addend. Solve.

1. 

$$6 + \underline{\quad} = 12$$

2. 

$$\underline{\quad} + 3 = 11$$

3. 

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

4. 

$$6 + \underline{\quad} = 10$$

Count on to find the missing addend. Solve.

5. $7 + \underline{\quad} = 9$

6. $5 + \underline{\quad} = 6$

7. $\underline{\quad} + 4 = 7$

Solve. Write a sentence to answer the question.

8. Paul has 8 stickers on the chart. His goal is to have 10 stickers. How many more stickers does Paul need?

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

Paul needs _____

9. Kendra saw kites with and without tails flying in the park. She counted 8 kites with tails. She counted 16 kites in all. How many kites without tails did Kendra see?

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

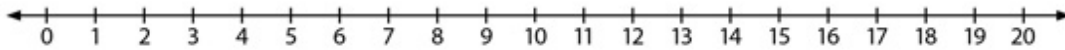
Kendra saw _____

Write the missing addend.

1. $5 + \underline{\quad} = 9$

2. $9 + \underline{\quad} = 17$

3. $7 + \underline{\quad} = 14$



Solve. Write a sentence to answer the question.

4. Tom did 6 math problems before lunch. He finished the other problems after lunch. He did 10 problems altogether. How many problems did Tom do after lunch?

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

Tom did _____

5. Peggy was reading a book about beavers. She read 5 pages on the way to school. She read some more pages on her way home. She read 10 pages in all. How many pages did Peggy read on her way home?

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

Peggy read _____

Time to Review



Circle the first penny counted.
Draw a square around the fifth penny counted.
Answer the questions.



6. Kea counted the coins on the table from left to right.

How many pennies does Kea have? _____

What is the value of Kea's pennies? _____

Facts

$5 + 0 = \underline{\quad}$ $9 + 1 = \underline{\quad}$

$7 + 2 = \underline{\quad}$ $0 + 8 = \underline{\quad}$

$1 + 6 = \underline{\quad}$ $2 + 4 = \underline{\quad}$ $4 + 3 = \underline{\quad}$ $3 + 7 = \underline{\quad}$

What strategies and rules did you use?

Write the missing addend.

1. $\underline{\quad} + 9 = 11$ 2. $7 + \underline{\quad} = 7$ 3. $\underline{\quad} + 8 = 9$ 4. $6 + \underline{\quad} = 9$

Solve. Write a sentence to answer the question.

5. Gina has 8 carrots in her lunch. Mary has 2 carrots in her lunch. How many carrots do they have altogether?

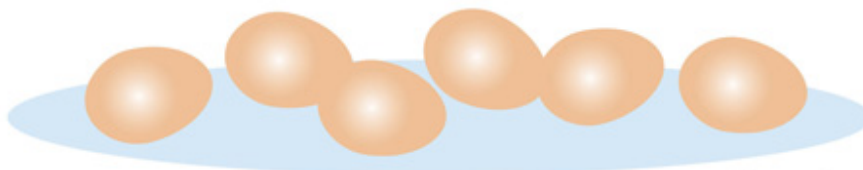
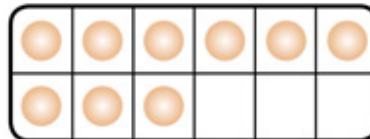
$\underline{\quad} \bigcirc \underline{\quad} \bigcirc \underline{\quad}$

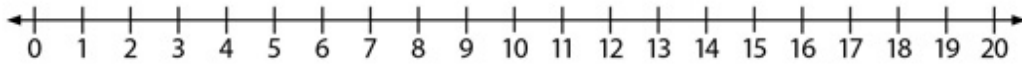
They have _____

6. Farmer John collected 9 eggs from the hen house. His carton holds 1 dozen eggs. How many more eggs does Farmer John need to collect to fill the carton?

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

Farmer John needs _____





Write the sum.

7. $8 + 3 = \underline{\quad}$

Write an addition fact for 10.

8. $\underline{\quad} + \underline{\quad} = 10$

Decompose an addend to make 10. Solve.

9. $7 + 5 = \underline{\quad}$



10. $4 + 9 = \underline{\quad}$



11. $8 + 6 = \underline{\quad}$



12. $8 + 8 = \underline{\quad}$



13. $9 + 9 = \underline{\quad}$

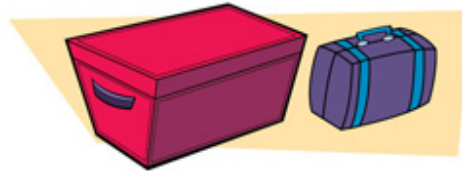


14. $7 + 7 = \underline{\quad}$



Write a sentence to answer the question.

15. Ralph helped Matt fit all his tools in trunks and a suitcase. What tool did Ralph use to show that Matt is important?



Ralph used _____

Use a strategy to combine 2 addends. Solve.

16. $4 + 1 + 9 = \underline{\quad}$



17.
$$\begin{array}{r} 4 \\ 4 \\ + 5 \\ \hline \end{array} \bigcirc$$

18.
$$\begin{array}{r} 6 \\ 3 \\ + 3 \\ \hline \end{array} \bigcirc$$