

Apologia Math Level 1 Sample

COMPLETE SUPPLY LIST



- Linking cubes
- Base ten blocks
- 3D shape solids
- Pattern blocks
- Addition flash cards (up to 20)
- Subtraction flash cards (up to 20)
- 3 dice
- Dominoes
- Uno® cards
- LEGO bricks
- Foam cups
- Markers
- Eleven pipe cleaners
- Fifty-five beads
- Mini cups
- 100 small objects for counting (such as beans)
- Scissors
- One poster board
- Magazines OR phone and printer access
- Ruler or straightedge
- Glue
- Tape
- Crayons
- A rubber ink stamp
- Dot stickers
- Playdough®
- A tennis ball
- Note cards
- A tape measure
- Paper clips
- A brass fastener
- 15-20 coins
- 2 bags of M&M's (the smallest fun size bag is perfect)
- Colored pencils
- Air dry clay
- Two wooden blocks
- Paint and paintbrush
- A cup or circular cookie cutter
- Yardstick
- Chalk
- Dry erase marker
- Permanent marker
- Game pieces
- Calculator (optional)
- 2 Liquid containers
- Pan
- 2 Dry containers
- Rice



MODEL THE TEEN NUMBERS

You will need:

- Ten beans of one type and 9 beans of a different type. You may substitute any type of counters.
- Scissors
- The Lesson 5: Activity Sheet (in the back of the answer key)



You Will Do:

1. Carefully remove the activity sheet from the back of the answer key.
2. Use your scissors to cut along the dotted lines to create your Teen Number Foldable. See the image as an example.
3. On your workspace, count out the 10 beans that match. Add one more bean from your other pile. This makes 11.
4. Use your foldable to look at how the number 11 is written. What do you notice?
5. Add another bean from your second pile. Now you have 12 because 10 and 2 more is 12. What do you notice about how the number 12 is written?
6. Continue adding one more bean until you go all the way up to 19. Do you notice any patterns?

The Numbers 11-19

Teen numbers are the numbers 11 to 19. Their names can be tricky, but here are 2 little poems to help you remember them. Choose the one you like best or make up your own to help you remember.



Teen numbers: the numbers 11 to 19.

Ten and one is eleven	Oneteen is eleven
Ten and two is twelve	Twoteen is called twelve
Ten and three is thirteen	Threeteen is called thirteen
The tricky ones to spell	These are tricky ones to spell
Fourteen, fifteen, sixteen,	Fourteen, fifteen, sixteen,
Starts a pattern now you see	Starts a pattern now you see
Seventeen, eighteen, nineteen	Seventeen, eighteen, nineteen...
Ten and some more make the teens	It's just ten and more make teens!



Practice

Draw a line connecting the base ten blocks to the word name and number. The first one is done for you.

eleven		17
twelve		11
thirteen		19
fourteen		18
fifteen		13
sixteen		16
seventeen		15
eighteen		14
nineteen		12



ADDING ON TO 10

You will need:

- Linking cubes or LEGO® bricks in at least two different colors
- Beans (to be used in the counting activity below)



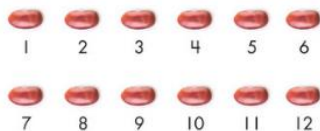
You Will Do:

1. You are going to build towers representing the numbers 11 to 19. First, build a tower that is 10 cubes high.
2. Add one more cube in a different color. This makes 11.
3. Build another tower that is 10 high. Add 2 cubes in a different color to make 12.
4. Continue until you have built towers all the way up to 19.
5. Line your towers up in order. Practice saying the number poem from the last lesson as you point to each tower.

Counting Groups up to 19

Have an adult pour out a pile of between 11 and 19 beans for you. If you were going to count them, you'd probably start at one and just keep going.

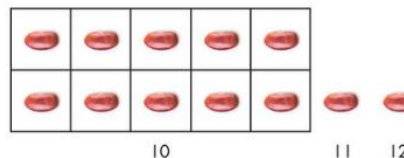
Look at the example below. The beans are lined up and have been counted one by one. There are 12 beans.



Put your beans in a straight line and count them.
How many beans are there?

There are _____ beans.

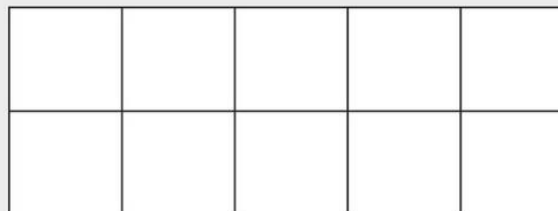
An easier way to count the beans is to make a group of 10 first. Use a ten frame to group 10 of the beans together. Then start at 10 and count on from there.



Use the ten frame on this page to count up your pile of beans by making a group of 10 first. Start counting at 10 and count on from there.

Have your parent give you several more groups of beans between 11 and 19. Practice counting them by using the ten frame first.

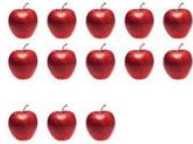
Count with a Ten Frame

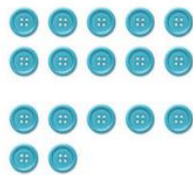




Practice

Write the correct numeral for each group of objects.

















SHOW HOW MANY

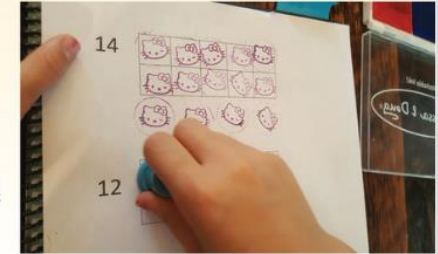


You will need:

- A rubber ink stamper (or stickers, a marker, etc.) to fill in the proper amount

You Will Do:

- Look at the teen number beside the ten frame.
- You are going to match that number with your stamps. Start by filling in the ten frame.
- Add enough stamps outside the ten frame to make the teen number. You can start at 10 and count on as you go to make sure you make the right amount.



Hello Kitty ©1976 SANRIO CO., LTD.

17
seventeen

●	●	●	●	●
●	●	●	●	●

● ● ● ● ● ● ●

11
eleven

Draw 3 stick figure kids on the playground.



Draw zero (0) stick figure kids on the playground.



The Number 20

The number 20 is the last number you will learn in this unit.

Numeral	Word Name	Group of Objects
20	twenty	

There are _____ groups of 10 in the number 20.



Practice

Fill in the missing numbers on the charts below.

1	3	4		6			9	10
11	13			16	17		19	

	2			5	6		8	9	
	12	13	14		16	17			20

1	2	3				7		
11	12	13					18	

Teen Number Matching Game

Tear out the Lesson 7: Teen Number Matching Game from the back of the answer key. Cut out each card. Mix them up. Practice matching the numeral, the word name, and the ten frames. Time yourself and see how fast you can do it.

