

GRADE 1 VOLUME 2

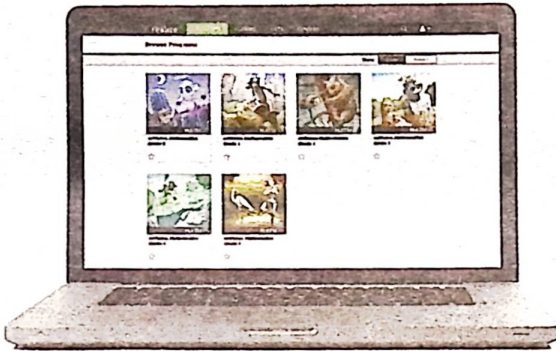


enVision[®] Mathematics

SAVVAS

Contents

Digital Resources at SavvasRealize.com



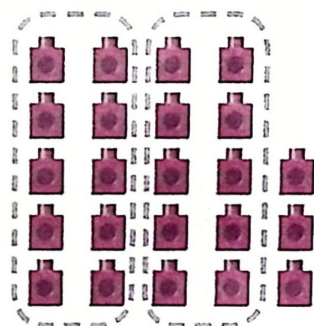
And remember
your Interactive Student
Edition is available at
SavvasRealize.com!

TOPICS

- 1 Understand Addition and Subtraction
- 2 Fluently Add and Subtract Within 10
- 3 Addition Facts to 20: Use Strategies
- 4 Subtraction Facts to 20: Use Strategies
- 5 Work with Addition and Subtraction Equations
- 6 Represent and Interpret Data
- 7 Extend the Counting Sequence
- 8 Understand Place Value
- 9 Compare Two-Digit Numbers
- 10 Use Models and Strategies to Add Tens and Ones
- 11 Use Models and Strategies to Subtract Tens
- 12 Measure Lengths
- 13 Time and Money
- 14 Reason with Shapes and Their Attributes
- 15 Equal Shares of Circles and Rectangles



You can think about numbers in different ways. 23 is 2 groups of 10 and 3 left over.



TOPIC 8

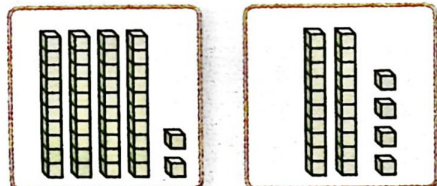
Understand Place Value

enVision® STEM Project	321
Review What You Know	322
Pick a Project	323
8-1 Make Numbers 11 to 19	325
8-2 Numbers Made with Tens	329
8-3 Count with Groups of Tens and Ones	333
8-4 Tens and Ones	337
8-5 Continue with Tens and Ones	341
8-6 Different Names for the Same Number	345
8-7 PROBLEM SOLVING Look For and Use Structure	349
Fluency Practice Activity	353
Vocabulary Review	354
Reteaching	355
Topic Assessment Practice	357
Topic Performance Task	359

TOPIC 9

Compare Two-Digit Numbers

Compare these numbers by comparing tens first.



42 is greater than 24.

$$42 > 24$$

enVision® STEM Project	361
Review What You Know	362
Pick a Project	363
3-ACT MATH Preview: Digit Flip	364

9-1 I More, I Less; 10 More, 10 Less	365
--	-----

9-2 Find Numbers on a Hundred Chart	369
---	-----

9-3 Compare Numbers	373
---------------------------	-----

9-4 Compare Numbers with Symbols (>, <, =)	377
--	-----

9-5 Compare Numbers on a Number Line	381
--	-----

9-6 PROBLEM SOLVING Make Sense and Persevere	385
--	-----

Fluency Practice Activity	389
---------------------------------	-----

Vocabulary Review	390
-------------------------	-----

Reteaching	391
------------------	-----

Topic Assessment Practice	393
---------------------------------	-----

Topic Performance Task	395
------------------------------	-----



For every ten you add, move down 1 row in the hundred chart.

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

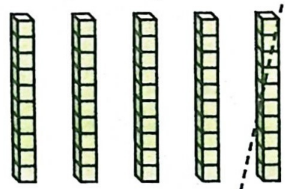
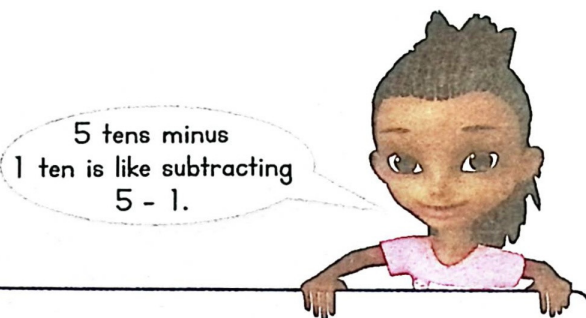
TOPIC 10

Use Models and Strategies to Add Tens and Ones

enVision® STEM Project	397
Review What You Know	398
Pick a Project	399

10-1 Add Tens Using Models	401
10-2 Mental Math: Ten More Than a Number	405
10-3 Add Tens and Ones Using a Hundred Chart	409
10-4 Add Tens and Ones Using an Open Number Line	413
10-5 Add Tens and Ones Using Models	417
10-6 Make a Ten to Add.	421
10-7 Add Using Place Value	425
10-8 Practice Adding Using Strategies	429
10-9 PROBLEM SOLVING Model with Math	433

Fluency Practice Activity	437
Vocabulary Review	438
Reteaching	439
Topic Assessment Practice	443
Topic Performance Task	447

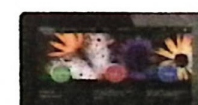
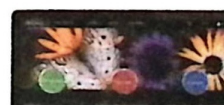


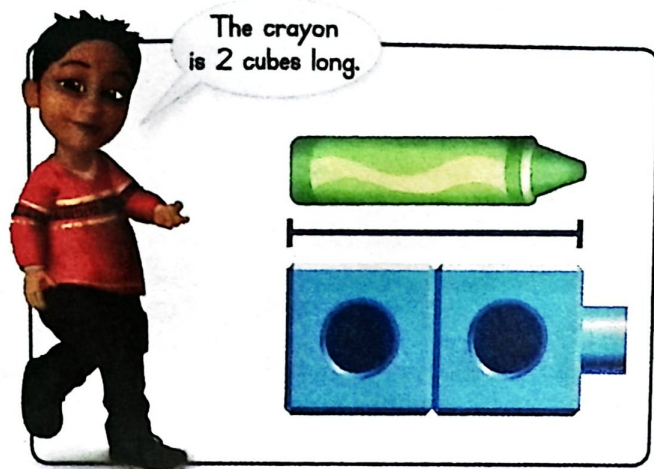
$$5 \text{ tens} - 1 \text{ ten} = 4 \text{ tens}$$

TOPIC 11

Use Models and Strategies to Subtract Tens

enVision® STEM Project	449
Review What You Know	450
Pick a Project	451
3-ACT MATH Preview: So Many Colors.	452
11-1 Subtract Tens Using Models	453
11-2 Subtract Tens Using a Hundred Chart	457
11-3 Subtract Tens Using an Open Number Line	461
11-4 Use Addition to Subtract Tens	465
11-5 Mental Math: Ten Less Than a Number	469
11-6 Use Strategies to Practice Subtraction	473
11-7 PROBLEM SOLVING Model with Math	477
Fluency Practice Activity	481
Vocabulary Review	482
Reteaching	483
Topic Assessment Practice	485
Topic Performance Task	487



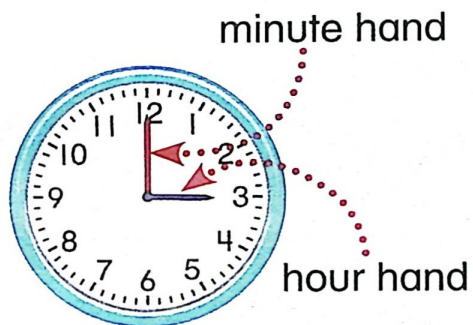


TOPIC 12

Measure Lengths

enVision® STEM Project	489
Review What You Know	490
Pick a Project	491
12-1 Compare and Order by Length	493
12-2 Indirect Measurement	497
12-3 Use Units to Measure Length	501
12-4 PROBLEM SOLVING Use Appropriate Tools	505
Fluency Practice Activity	509
Vocabulary Review	510
Reteaching	511
Topic Assessment Practice	513
Topic Performance Task	515

The minute hand and the hour hand can help you tell time on a clock.



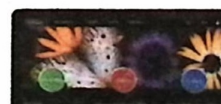
TOPIC 13

Time and Money

enVision® STEM Project	517
Review What You Know	518
Pick a Project	519
3-ACT MATH Preview: Drip Dry	520

13-1 OPTIONAL Tell the Value of Coins	521
13-2 OPTIONAL Find the Value of a Group of Coins	525
13-3 Understand the Hour and Minute Hands	529
13-4 Tell and Write Time to the Hour	533
13-5 Tell and Write Time to the Half Hour	537
13-6 PROBLEM SOLVING Reasoning	541

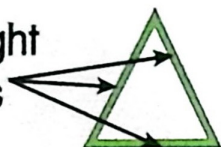
Fluency Practice Activity	545
Vocabulary Review	546
Reteaching	547
Topic Assessment Practice	549
Topic Performance Task	551





Some shapes
have straight sides.
Others do not.

3 straight
sides



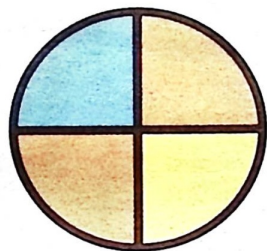
0 straight
sides

TOPIC 14

Reason with Shapes and Their Attributes

enVision® STEM Project	553
Review What You Know	554
Pick a Project	555
14-1 Use Attributes to Define Two-Dimensional (2-D) Shapes	557
14-2 Defining and Non-Defining Attributes of 2-D Shapes	561
14-3 Build and Draw 2-D Shapes by Attributes	565
14-4 Compose 2-D Shapes	569
14-5 Compose New 2-D Shapes from 2-D Shapes	573
14-6 Use Attributes to Define Three-Dimensional (3-D) Shapes	577
14-7 Defining and Non-Defining Attributes of 3-D Shapes	581
14-8 Compose with 3-D Shapes	585
14-9 PROBLEM SOLVING Make Sense and Persevere	589
Fluency Practice Activity	593
Vocabulary Review	594
Reteaching	595
Topic Assessment Practice	599
Topic Performance Task	603

This circle is divided into quarters.



TOPIC 15

Equal Shares of Circles and Rectangles

enVision® STEM Project	605
Review What You Know	606
Pick a Project	607
3-ACT MATH Preview: Pieced Out	608
15-1 Make Equal Shares	609
15-2 Make Halves and Fourths of Rectangles and Circles	613
15-3 Understand Halves and Fourths	617
15-4 PROBLEM SOLVING Model with Math	621
Fluency Practice Activity	625
Vocabulary Review	626
Reteaching	627
Topic Assessment Practice	629
Topic Performance Task	631



TOPIC 8

Understand Place Value

Essential Question: How can you count and add using tens and ones?

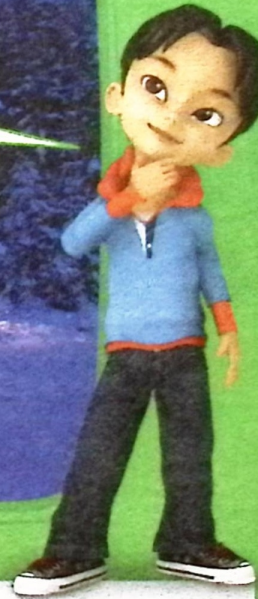
Digital Resources



There is more daylight during the summer than there is during the winter.



Wow!
Let's do this project and learn more.



enVision® STEM Project: Daylight Throughout the Year

Find Out Talk to friends and relatives about why there is more daylight in summer than in winter. Ask them to help you find information about the changes in daylight each season.

Journal: Make a Book Draw pictures of the tilting globe and the sun at different times of the year. In your book, also:

- Add labels to show summer and winter.
- Write a sentence to describe the pattern of the seasons in your own words.

Name _____

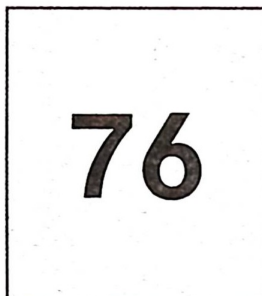
☆ Review What You Know ☆

🔴 Vocabulary

1. Circle the **tens** digit.

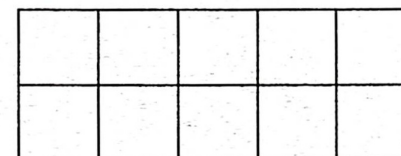
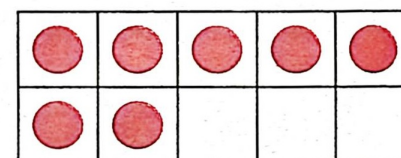


2. Circle the **ones** digit.



3. Use the **ten-frames** to find the sum.

$$7 + 9 = \underline{\hspace{2cm}}$$



Counting to 120

4. Write the number that comes next when counting forward by 1s. Use a hundred chart to help you.

110, 111, 112, _____

5. Maria counts by 10s. She starts at 30. Write the missing numbers.

30, _____, _____,

60, _____

Hundred Chart

6. Write the missing numbers in this part of the hundred chart.

42		44		46
	53	54		

Name _____

Pick a Project

PROJECT 8A

What do you put on your hot dog?

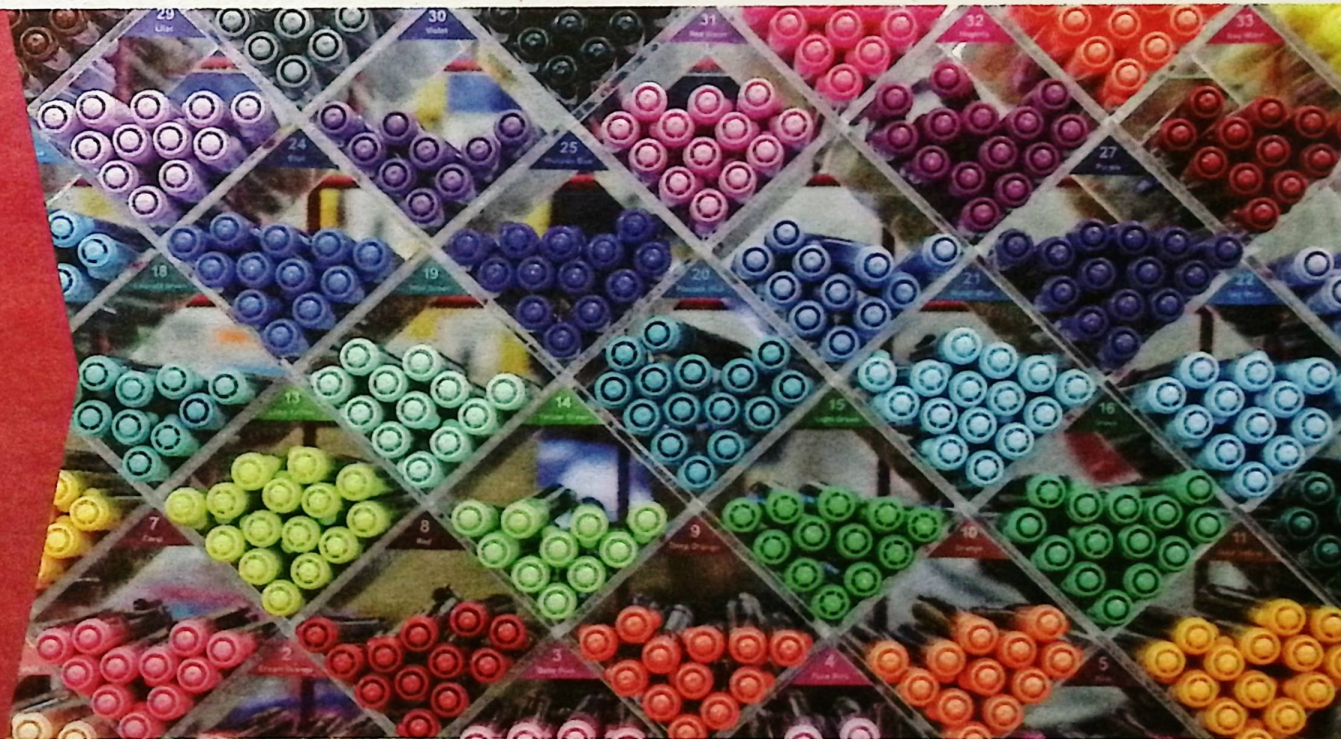
Project: Act Out Serving Up Hot Dogs



PROJECT 8B

What is your favorite color?

Project: Make a Color Poster



PROJECT
8C

Can you eat a tiger?

Project: Play a Cracker Stack Game



PROJECT
8D

Which sea creatures have
10 legs?

Project: Make a Finger Painting





Activity

Lesson 8-1

Make Numbers 11 to 19

I can ...

read and write numbers
11 to 19.

I can also model
with math.

Solve & Share

Name _____

Use counters and ten-frames to show
12, then 15, and then 18. Draw your counters in
the ten-frames below.

Tell what is the same and different about each
number you show.

12

15

18

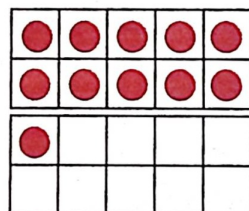


Look at the numbers and words for 11 through 19.

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

These numbers are made up of one group of 10 ones and some leftover ones.

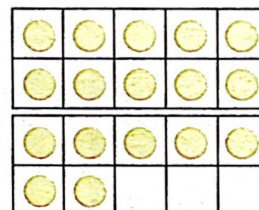
11 is one group of 10 and 1 left over.



eleven

One group of 10 ones is called 1 **ten**. Count the leftover **ones**.

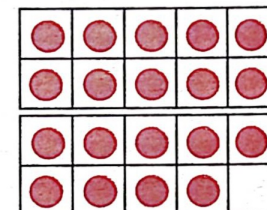
17 is 1 ten and 7 ones.



seventeen

19 is 10 and 9.

19 is 1 ten and 9 ones.



nineteen



Convince Me! How could you use ten-frames to show 13 counters?

☆ **Guided Practice** ☆

Use counters to make each number. Then write each number as 1 ten and some ones.

1. twelve

12 is 1 ten and 2 ones.

2. fourteen

 is 1 ten and _____ ones.

3. fifteen

 is 1 ten and _____ ones.

Name _____

Independent Practice ☆ Use counters to make each number. Then write the word or number.

4. sixteen

is _____ ten and 6 ones.

5. _____

18 is 1 ten and 8 ones.

6. thirteen

13 is 1 ten and _____ ones.

7. eleven

is _____ ten and 1 one.

8. _____

17 is 1 ten and 7 ones.

9. nineteen

is 1 ten and 9 ones.

10. **Vocabulary** Circle the **tens** and **ones** that match the words shown.

Twelve

Fifteen

0 tens 1 ten 2 tens

0 tens 1 ten 2 tens

1 one 2 ones 3 ones

5 ones 6 ones 7 ones

Problem Solving

Solve each problem below.

11. Use Tools Jill has 14 buttons and 2 boxes.

She puts 10 buttons in one box.

How many buttons does Jill put in the other box?

Draw counters to solve. Write the numbers.

_____ buttons

_____ is _____ ten and _____ ones.

How can the ten-frames help me solve the problem?



12. Higher Order Thinking Choose a number between 11 and 14. Draw a picture to show how to make the number with ten-frames. Write the number and the number word.

number: _____

number word: _____

13. Assessment Practice Match the groups or numbers on the left with the number word on the right.

1 ten and 7 ones

eighteen

10 ones

ten

1 ten and 3 ones

eleven

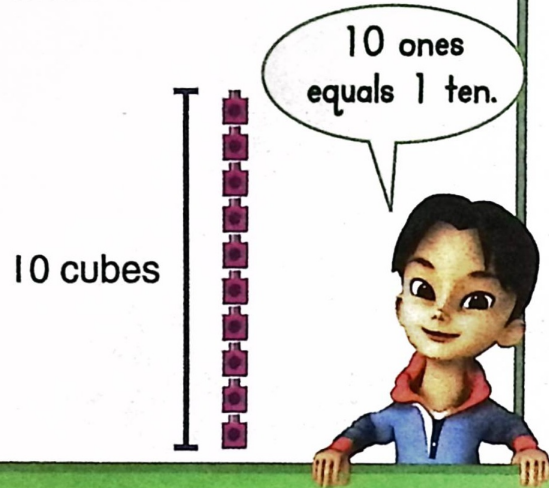
1 ten and 1 one

seventeen

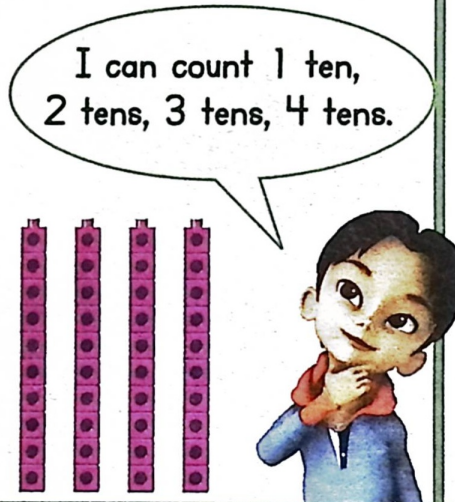
1 ten and 8 ones

thirteen

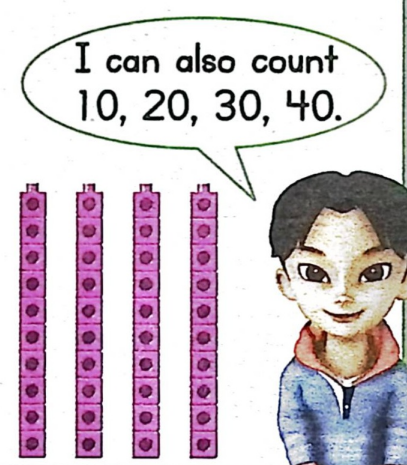
You can use 10 cubes to make 1 ten.



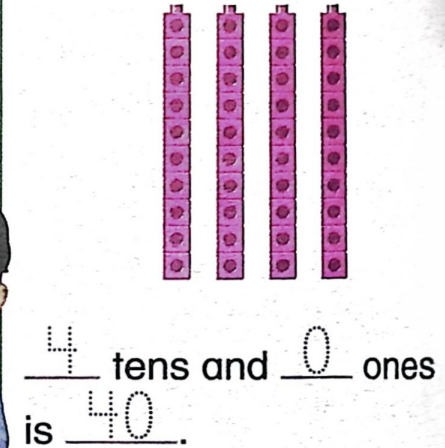
Here are 4 tens.



Count by 10s to find the number of cubes.

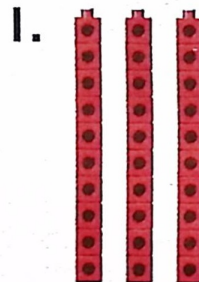


There are 40 cubes in all.

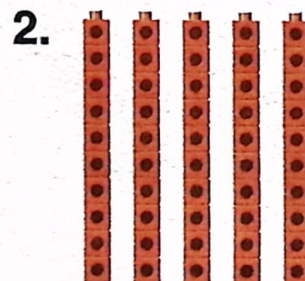


Convince Me! How many tens are in 90? How do you know?

☆ **Guided Practice** ☆ Use cubes. Count by 10s. Write the numbers.



3 tens and 0 ones is 30.



_____ tens and _____ ones is _____.

Name _____

Independent Practice ☆ Use cubes. Count by 10s. Draw the cubes. Write the numbers.

10 1 ten ten	20 2 ten twenty	30 3 tens thirty	40 4 tens forty	50 5 tens fifty	60 6 tens sixty	70 7 tens seventy	80 8 tens eighty	90 9 tens ninety
---------------------------	------------------------------	-------------------------------	------------------------------	------------------------------	------------------------------	--------------------------------	-------------------------------	-------------------------------

3. _____ 4. _____

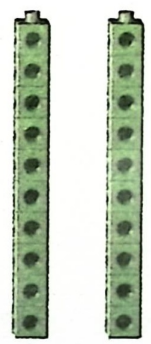
6 tens and 0 ones is _____. _____ tens and _____ ones is 90.

5. _____ 6. _____

8 tens and 0 ones is _____. _____ tens and _____ ones is 70.

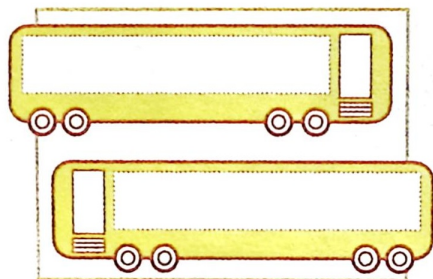
7. Number Sense Joey has 2 tens.
He wants to trade the tens for ones.
How many ones should Joey get?

_____ ones



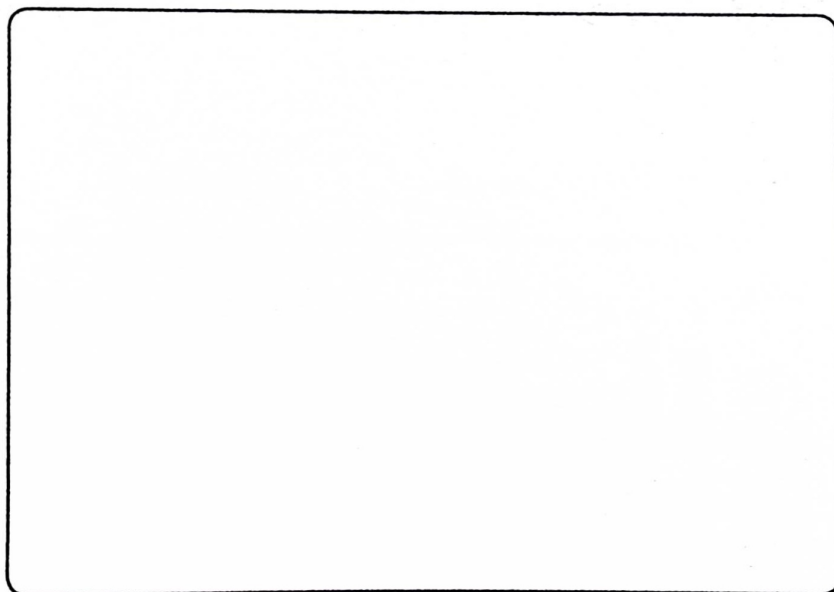
Problem Solving [☆] Solve the problems below.

8. **Reasoning** There are 2 buses.
10 people are in each bus.
How many people ride in the buses?
Count by 10s. Draw a picture to solve.



_____ people

10. **Higher Order Thinking** Brian has a book. He reads 10 pages every day.
Show how many pages Brian reads in 5 days. Use pictures, numbers, or words.



9. **Reasoning** George has 3 boxes of pens. 10 pens are in each box.
How many pens does George have?
_____ pens

11. ☒ **Assessment Practice**

Beth has 4 jars. Each jar has 10 bouncy balls in it.

How many bouncy balls does Beth have in all?



- | | | | |
|-----|-----|-----|-----|
| 4 | 14 | 40 | 50 |
| (A) | (B) | (C) | (D) |