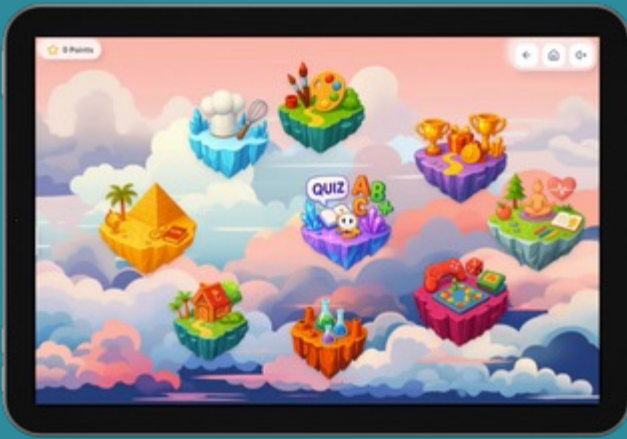


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Place Value to 100 - Year 1

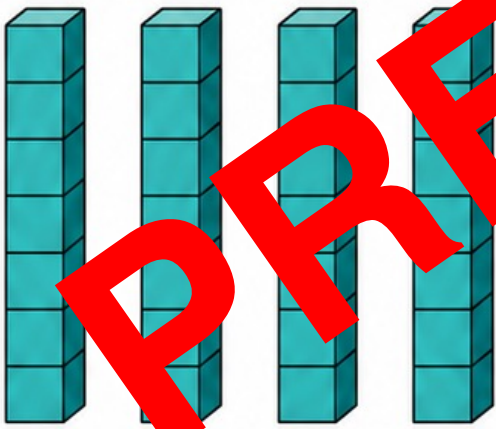
Table of Contents	
Presentation: Place Value to 100	
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Game 2: Roll, Build and Win	
Worksheet 1: Build the Number	
Worksheet 2: Tens and Ones Detective	
Worksheet 3: Expanded Form Builders	
Worksheet 4: Compare and Order	
Worksheet 5: Before and After	
Quiz: Place Value to 100	
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TENS AND ONES AT A GLANCE

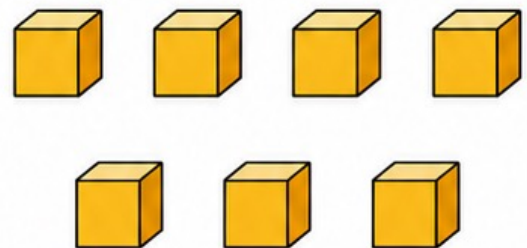
47

TENS



4 tens = 40

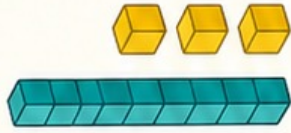
ONES



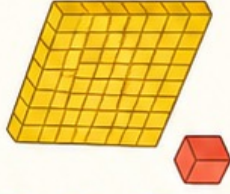
7 ones = 7

$$40 + 7 = 47$$

47 = 4 tens and 7 ones



BUILD SAY AND WRITE



Pick a number card. Build it. Say it. Write the numeral and expanded form.

1

BUILD IT

Tens

Ones

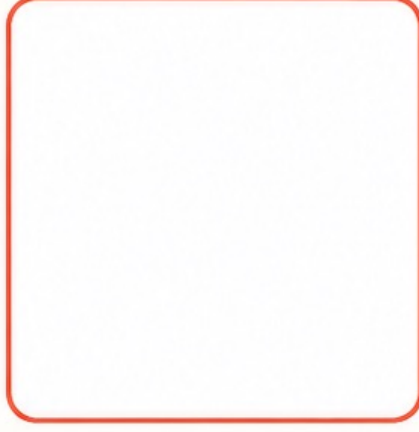
2

SAY IT

— tens and — ones

3

WRITE IT



— = — + —

BUILD, SAY AND WRITE NUMBER CARDS

14

20

27

35

42

50

58

63

71

84

90

99

PREVIEW

PLACE VALUE MATCH-UP

NUMERAL CARDS

13

24

38

40

52

67

71

85

90

96

18

43

PREVIEW

PLACE VALUE MATCH-UP

CLUE CARDS

1 ten and
3 ones

2 tens and
4 ones

3 tens and
8 ones

4 tens and
0 ones

5 tens and
2 ones

6 tens and
7 ones

7 tens and
1 one

8 tens and
5 ones

9 tens and
0 ones

9 tens and
6 ones

1 ten and
8 ones

4 tens and
3 ones



ROLL, BUILD AND WIN



Spin both spinners. The first digit shows tens. The second digit shows ones. Build and say your number. The greater number wins the round. First to 5 points wins!

PLAYER 1

Tens

Ones

My number

___ tens and ___ ones

___ + ___ = ___

POINTS

PLAYER 2

Tens

Ones

My number

___ tens and ___ ones

___ + ___ = ___

POINTS

ROLL, BUILD AND WIN SPINNERS

Spin once for tens and once for ones.

TENS



ONES



PREVIEW



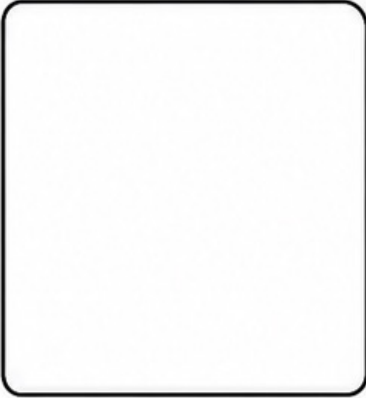
Name: _____

WORKSHEET 1: BUILD THE NUMBER



Draw tens rods and ones cubes. Then write the tens, ones and expanded form.

14



Tens: ____

Ones: ____

____ + ____ = ____

28

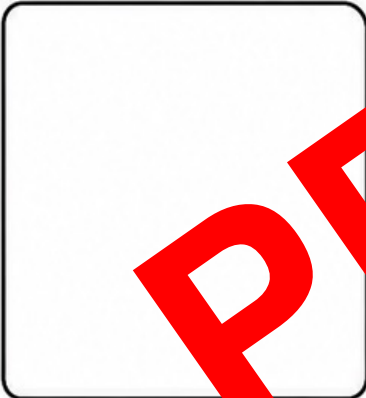


Tens: ____

Ones: ____

____ + ____ = ____

35

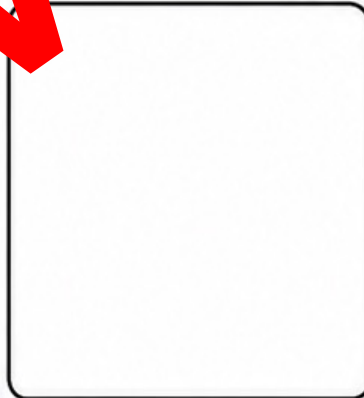


Tens: ____

Ones: ____

____ + ____ = ____

47

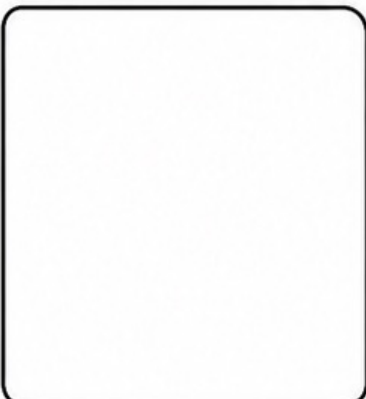


Tens: ____

Ones: ____

____ + ____ = ____

62

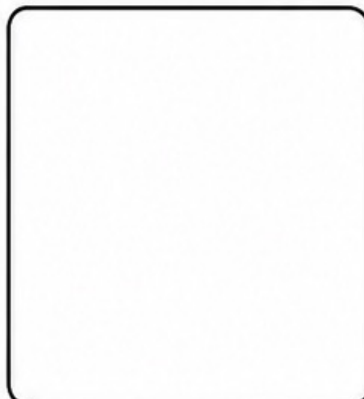


Tens: ____

Ones: ____

____ + ____ = ____

90



Tens: ____

Ones: ____

____ + ____ = ____

PREVIEW



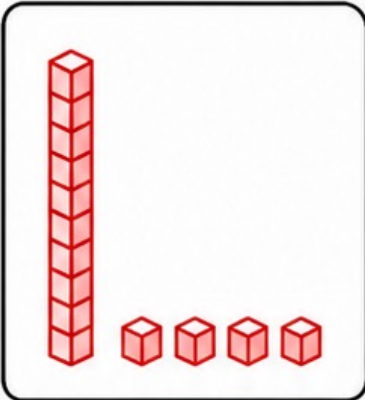
Name: ANSWERS

WORKSHEET 1: BUILD THE NUMBER



Draw tens rods and ones cubes. Then write the tens, ones and expanded form.

14

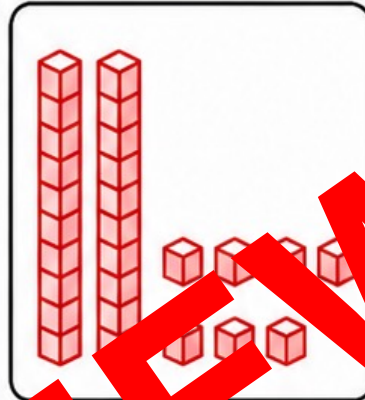


Tens: 1

Ones: 4

$$\underline{10} + \underline{4} = \underline{14}$$

28

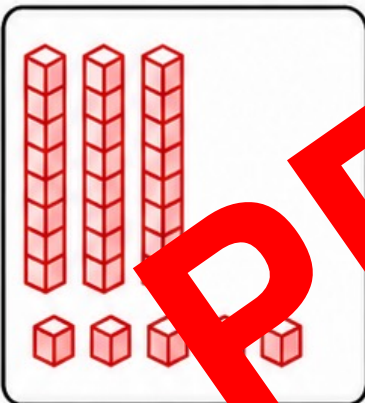


Tens: 2

Ones: 8

$$\underline{20} + \underline{8} = \underline{28}$$

35

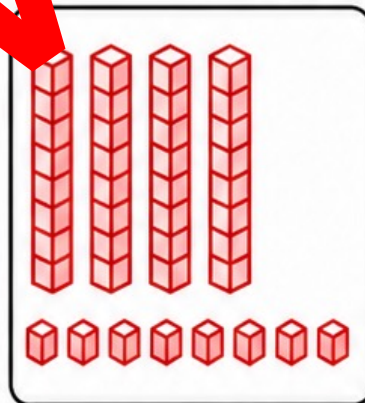


Tens: 3

Ones: 5

$$\underline{30} + \underline{5} = \underline{35}$$

47

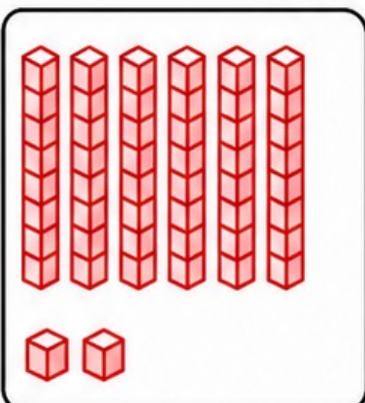


Tens: 4

Ones: 7

$$\underline{40} + \underline{7} = \underline{47}$$

62

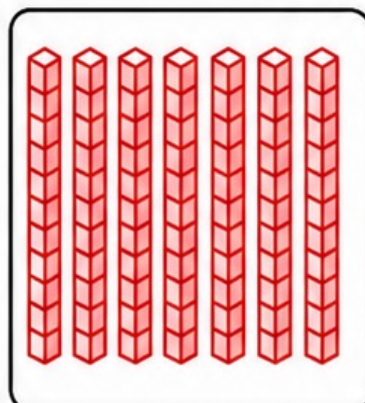


Tens: 6

Ones: 2

$$\underline{60} + \underline{2} = \underline{62}$$

90



Tens: 9

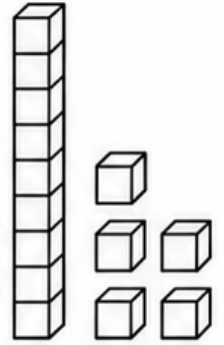
Ones: 0

$$\underline{90} + \underline{0} = \underline{90}$$



Name: _____

WORKSHEET 2: TENS AND ONES DETECTIVE



Read each clue. Write the number.

1 2 tens and 3 ones =

2 4 tens and 0 ones =

3 5 tens and 7 ones =

4 1 ten and 1 one =

5 9 tens and 6 ones =

6 3 tens and 4 ones =

7 6 tens and 9 ones =

8 7 tens and 2 ones =

9 1 ten and 5 ones =

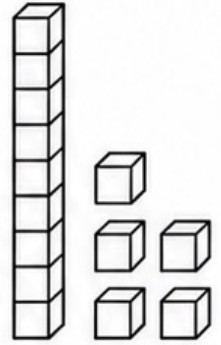
10 0 tens and 8 ones =

PREVIEW



Name: ANSWERS

WORKSHEET 2: TENS AND ONES DETECTIVE



Read each clue. Write the number.

1 2 tens and 3 ones = 23

2 4 tens and 0 ones = 40

3 5 tens and 7 ones = 57

4 8 tens and 1 one = 81

5 9 tens and 6 ones = 96

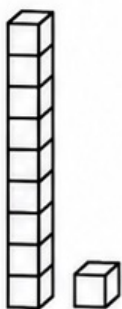
6 3 tens and 4 ones = 34

7 6 tens and 9 ones = 69

8 7 tens and 2 ones = 72

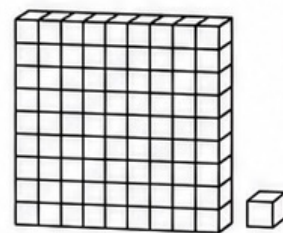
9 1 ten and 5 ones = 15

10 0 tens and 8 ones = 8



Name: _____

WORKSHEET 3: EXPANDED FORM BUILDERS



Split each number into tens and ones.

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

2. $32 = \underline{\quad} + \underline{\quad}$

3. $50 = \underline{\quad} + \underline{\quad}$

4. $67 = \underline{\quad} + \underline{\quad}$

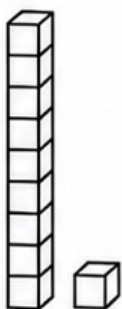
5. $75 = \underline{\quad} + \underline{\quad}$

6. $89 = \underline{\quad} + \underline{\quad}$

7. $94 = \underline{\quad} + \underline{\quad}$

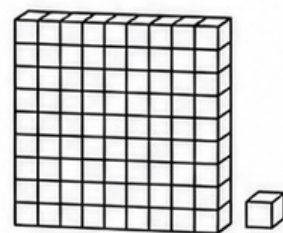
8. $21 = \underline{\quad} + \underline{\quad}$

Challenge: 58 is $\underline{\quad}$ tens and $\underline{\quad}$ ones.



Name: ANSWERS

WORKSHEET 3: EXPANDED FORM BUILDERS



Split each number into tens and ones.

1. $16 = \underline{10} + \underline{6}$

2. $32 = \underline{30} + \underline{2}$

3. $50 = \underline{50} + \underline{0}$

4. $67 = \underline{60} + \underline{7}$

5. $73 = \underline{70} + \underline{3}$

6. $89 = \underline{80} + \underline{9}$

7. $94 = \underline{90} + \underline{4}$

8. $21 = \underline{20} + \underline{1}$

Challenge: 58 is 5 tens and 8 ones.

WORKSHEET 4: COMPARE AND ORDER

Name: _____

Circle the greater number. Then order each group from least to greatest.

A. Circle the greater number.

54 or 45

68 or 86

70 or 67

29 or 92

41 or 14

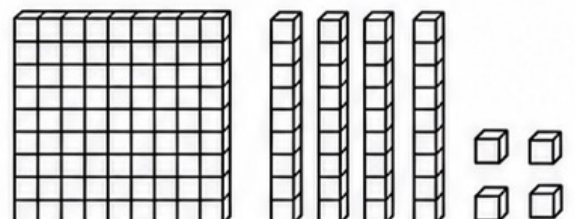
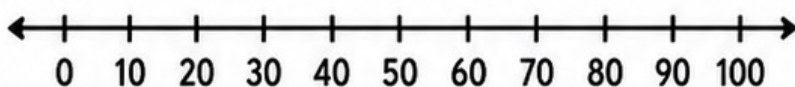
83 or 80

B. Order each group from least to greatest.

1. 34, 43, 24 → _____, _____, _____

2. 71, 17, 70 → _____, _____, _____

3. 59, 95, 55 → _____, _____, _____



WORKSHEET 4: COMPARE AND ORDER

Name: ANSWERS

Circle the greater number. Then order each group from least to greatest.

A. Circle the greater number.

54 or 45

68 or **86**

70 or 67

22 or **92**

41 or 14

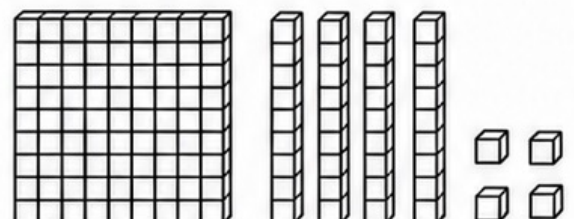
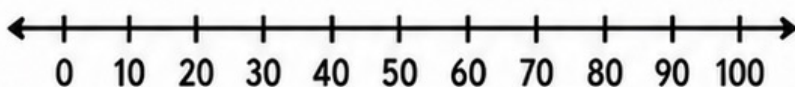
83 or 80

B. Order each group from least to greatest.

1. 34, 43, 24 → 24, 34, 43

2. 71, 17, 70 → 17, 70, 71

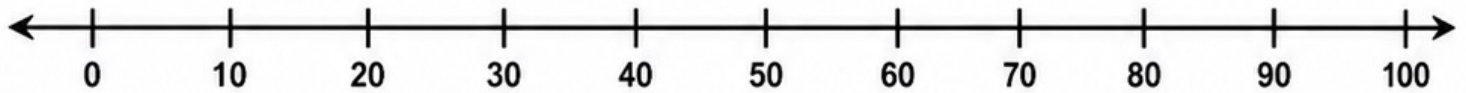
3. 59, 95, 55 → 55, 59, 95



WORKSHEET 5: BEFORE AND AFTER

Name: _____

Write the number that comes just before and just after.

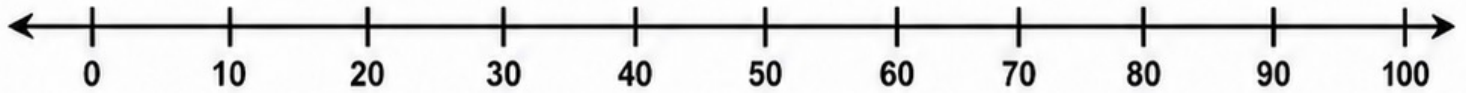


Before	Number	After
	13	
	25	
	40	
	51	
	68	
	79	
	90	
	99	
	30	
	74	

WORKSHEET 5: BEFORE AND AFTER

Name: ANSWERS

Write the number that comes just before and just after.

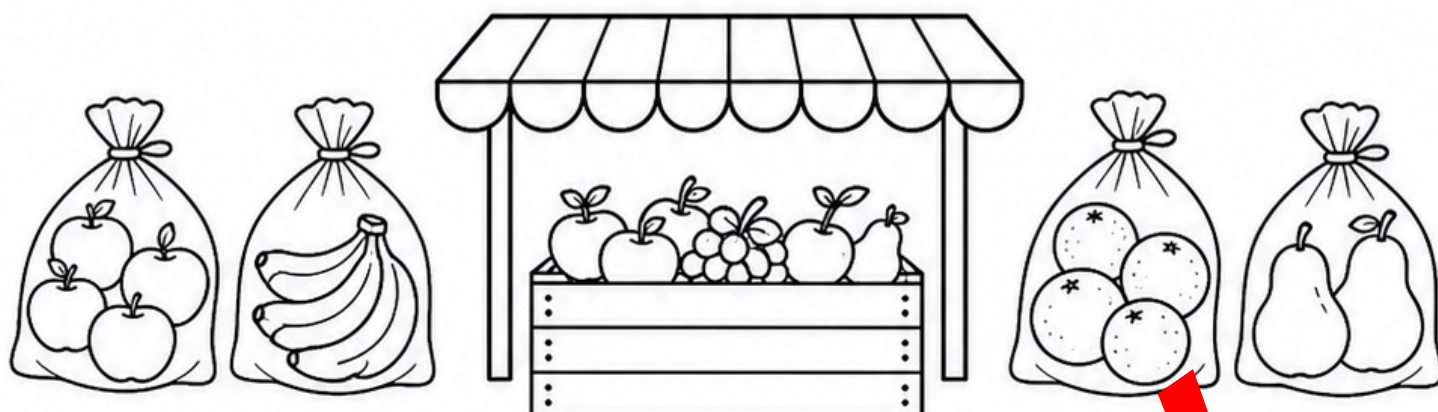


Before	Number	After
12	13	14
24	25	26
39	40	41
50	51	52
67	68	69
78	79	80
89	90	91
98	99	100
29	30	31
73	74	75

ASSESSMENT: MARKET STALL PLACE VALUE

PAGE 1

Name: _____



The market stall packs fruit in bags of ten and one pieces.

1. Number 34:

Tens: ____ Ones: ____ Expanded form: ____ + ____ = ____

2. Number 67:

Tens: ____ Ones: ____ Expanded form: ____ + ____ = ____

3. Draw base-ten blocks for 52.

4. 8 tens and 1 one = ____

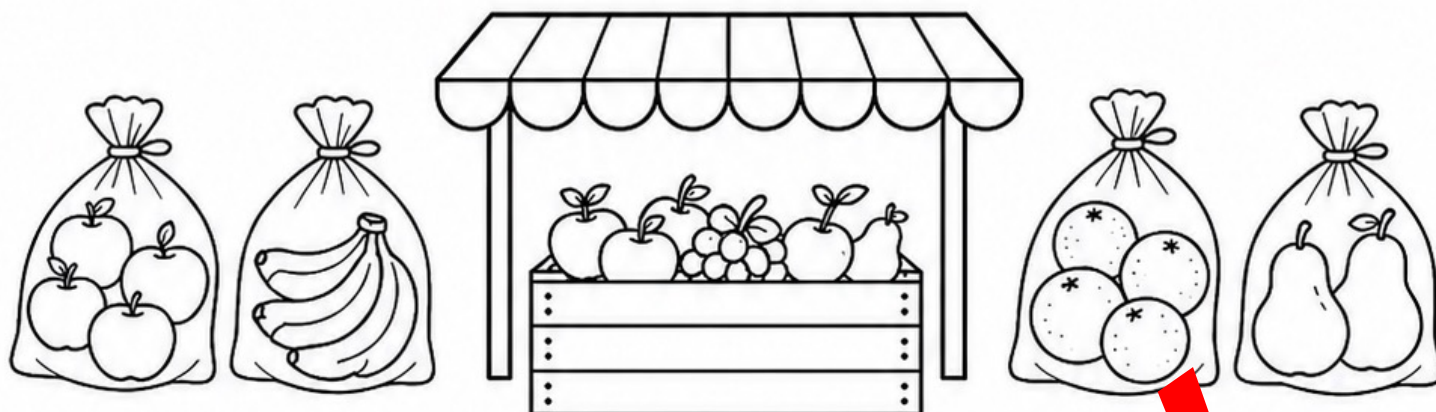
5. 4 tens and 0 ones = ____

Score: ____ / 10

ASSESSMENT: MARKET STALL PLACE VALUE

PAGE 1

Name: ANSWERS



The market stall packs fruit in bags of ten and single pieces.

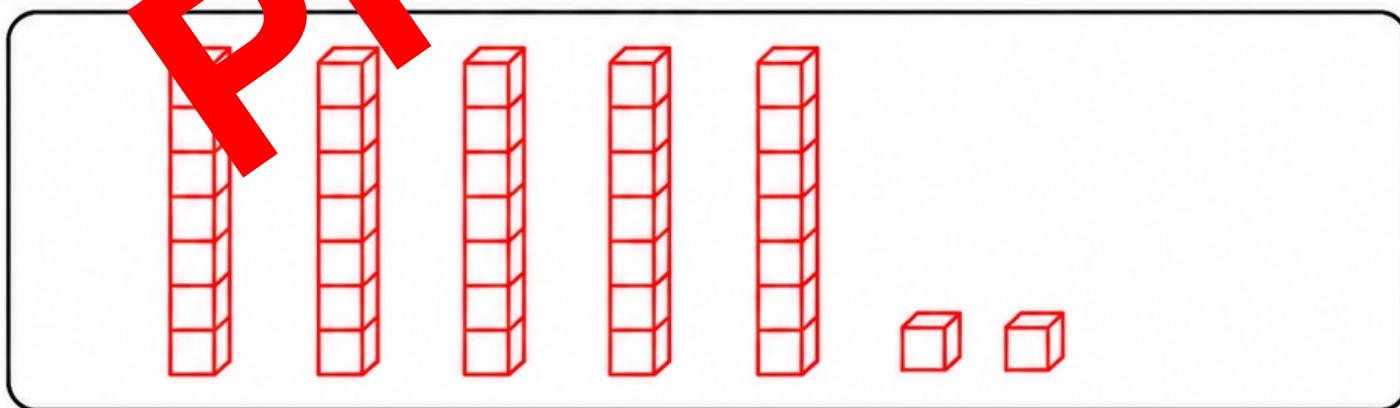
1. Number 34:

Tens: 3 Ones: 4 Expanded form: 30 + 4 = 34

2. Number 67:

Tens: 6 Ones: 7 Expanded form: 60 + 7 = 67

3. Draw base-ten blocks for 52.



4. 8 tens and 1 one = 81

5. 4 tens and 0 ones = 40

Score: / 10

ASSESSMENT: MARKET STALL PLACE VALUE

PAGE 2

Name: _____



1. Circle the greater number: 46 or 64



2. Circle the greater number: 78 or 87



3. Write from least to greatest: 29, 95, 59

_____, _____

4. Write the number before and after 70.

_____, 70, _____

5. What is the value of the 5 in 58? _____

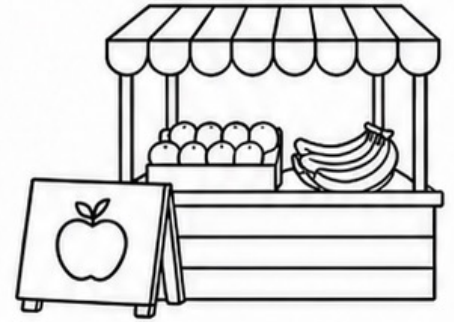
6. Challenge: Write a number with 9 tens and fewer than 5 ones.

Score: ____ / 10

ASSESSMENT: MARKET STALL PLACE VALUE

PAGE 2

Name: ANSWERS



1. Circle the greater number: 46 or **64**



2. Circle the greater number: 78 or **87**



3. Write from least to greatest: 29, 92, 59

29, 59, 92

4. Write the number before and after 70.

69, 70, 71

5. What is the value of the 5 in 58? 50

6. Challenge: Write a number with 9 tens and fewer than 5 ones.

Any of 90, 91, 92, 93 or 94

Score: / 10

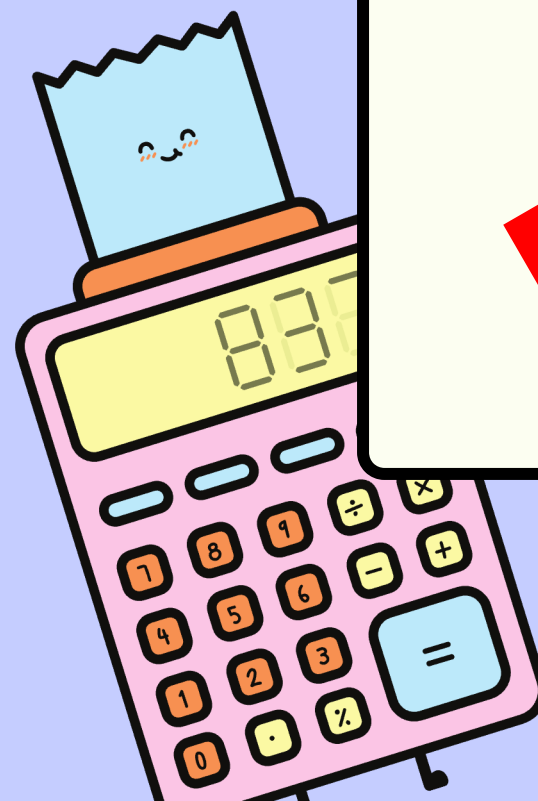
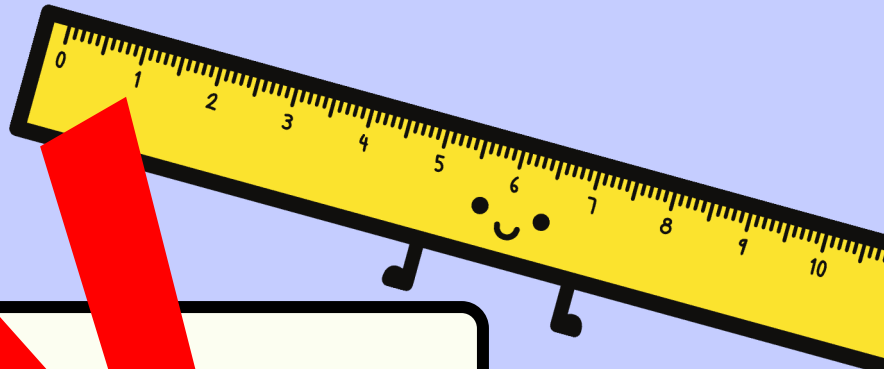
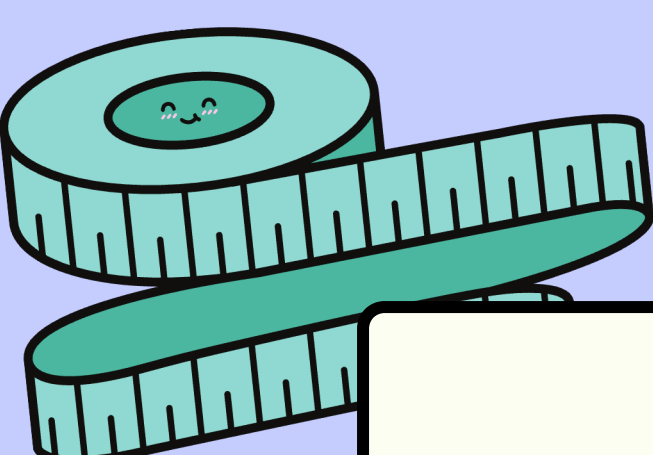
PLACE VALUE TO 100 ASSESSMENT RUBRIC

Student: _____

Date: _____

Criteria	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Identifies tens and ones	Needs substantial support to identify tens and ones.	Sometimes identifies tens and ones with support.	Independently identifies tens and ones accurately.	Consistently and accurately identifies tens and ones.	Clearly explains and uses tens and ones flexibly.
Builds and reads two-digit numbers	Needs substantial support to build and read numbers.	Builds and reads some numbers with support.	Builds and reads two-digit numbers independently.	Consistently builds and reads numbers accurately.	Builds and reads numbers flexibly and explains thinking.
Writes expanded form	Needs substantial support to write expanded form.	Writes expanded form with some support.	Writes expanded form independently and correctly.	Consistently writes expanded form accurately.	Writes expanded form flexibly and explains thinking.
Compares and orders numbers	Needs substantial support to compare and order numbers.	Sometimes compares and orders numbers with support.	Compares and orders numbers independently.	Consistently compares and orders numbers accurately.	Compares and orders numbers flexibly and explains reasoning.
Explains digit value	Needs substantial support to explain digit value.	Explains digit value with some support.	Explains digit value independently.	Consistently explains digit value accurately.	Clearly and flexibly explains digit value in multiple ways.

Teacher comment: _____



PREVIEW

Place Value to 100
Year 1



Our Learning Goal

Today I will:

- recognise tens and ones

build and read two-digit numbers

compare, count and order numbers to 100



Warm-Up: Count in Tens

10, 20, 30, 40, 50 ...

What comes next?

Now count on by ones: 51, 52, 53, 54, 55.



What Is Place Value?

A digit's place tells us its value.

In a two-digit number, the first digit shows tens.

The second digit shows ones.



Tens and Ones: 34

34 has 3 tens and 4 ones.

$$30 + 4 = 34$$

So, 34 is thirty-four.



Build the Number 52

Make 5 tens rods and 2 one cubes.

5 tens = 50

2 ones = 2

$50 + 2 = 52$



Read the Number 67

6 tens and 7 ones make 67.

The digit 6 is worth 60.

The digit 7 is worth 7.



Partition 46

Partition means split a number into parts.

$46 = 4 \text{ tens} + 6 \text{ ones}$

$46 = 40 + 6$



Zero Matters

70 has 7 tens and 0 ones.

$$70 = 70 + 0$$

The zero keeps the ones place empty.



Compare 54 and 45

Compare the tens first.
54 has 5 tens. 45 has 4 tens.
54 is greater than 45.



Order the Numbers

Put 28 and 82 from least to greatest.

Circle the tens digits: 2, 6, 8.

3, 62, 82



Before and After 63

One less than 63 is 62.

One more than 63 is 64.

62, 63, 64



What Is the Digit Worth?

In 84, the digit 8 is in the tens place.
Its value is 80.

The digit 4 is in the ones place. Its value is 4.



Guided Practice: 73

PREVIEW

say it: seventy-three
tens: 7 Ones: 3
Expanded form: $70 + 3 = 73$



Partner Activity

Build a secret number with tens and ones.

Give your partner one clue at a time.

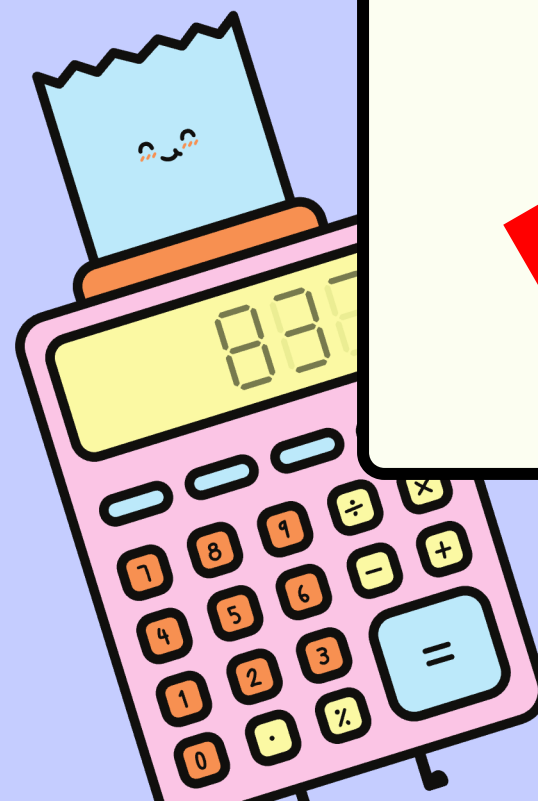
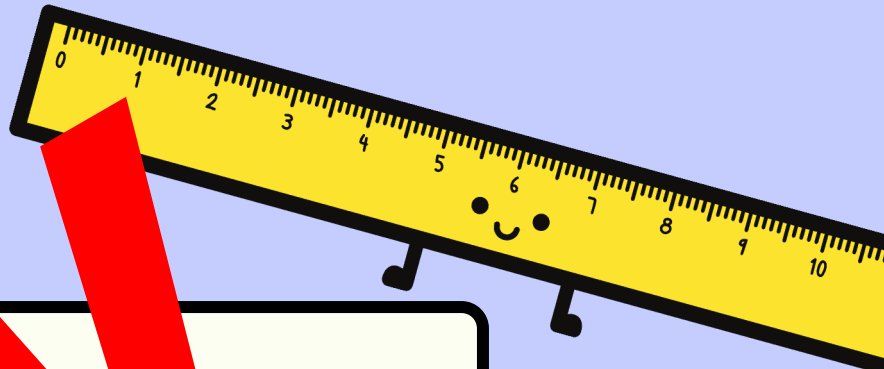
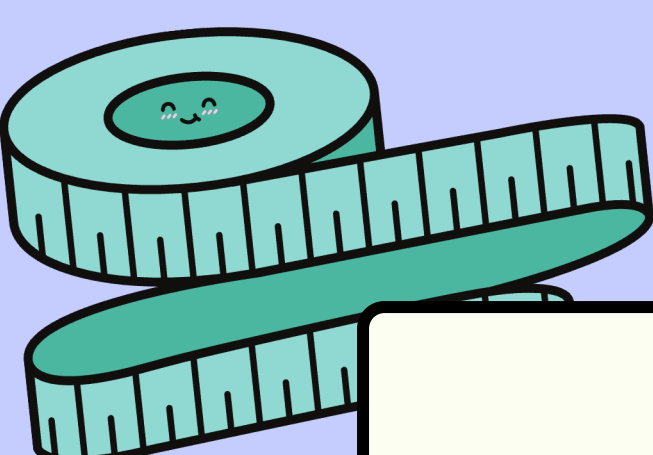
Can they name, write, and partition your number?



Quick Check

1. How many tens are in 18?
2. Write 6 tens and 2 ones as a number.
3. Which is greater: 39 or 93?
4. What comes after 79?





PREVIEW

Place Value to 100 Quiz



Question 1

How many tens and ones are in 42?

PREVIEW



Answer 1

12 tens is 4 tens and 2 ones.



Question 2

Which number has 6 tens and 3 ones?

A. 36

B. 63

C. 603

D. 9



Answer 2

PREVIEW

B.

ns and 3 ones make 63.



Question 3

True or false?
70 has 7 tens and 0 ones.



Answer 3

PREVIEW

The

0 = 7 tens and 0 ones.



Question 4

Write 38 in expanded form.

PREVIEW



Answer 4

PREVIEW

$$50 + 8 = 58$$



Question 5

Which number has 4 tens and 7

A. 74

B. 47

C. 11

D. 407



Answer 5

PREVIEW

B.

4 tens and 7 ones make 47.



Question 6

PREVIEW

True or False?

In 25, the digit 2 is worth 2.



Answer 6

For

the digit 2 in the tens place, so it is worth 20.



Question 7

What number comes before 63?

What number comes after 63?



Answer 7

62 comes before 63.

64 comes after 63.



Question 8

Which number is greatest?

A. 24

B. 43

C. 29

D. 40



Answer 8

PREVIEW

B.

has 4 tens and 3 ones.



Question 9

True or false?

5 is the same number as 65.



Answer 9

PREVIEW

For

5 has 5 tens; 65 has 6 tens.



Question 10

Write the number with 4 tens and 2 ones.

PREVIEW

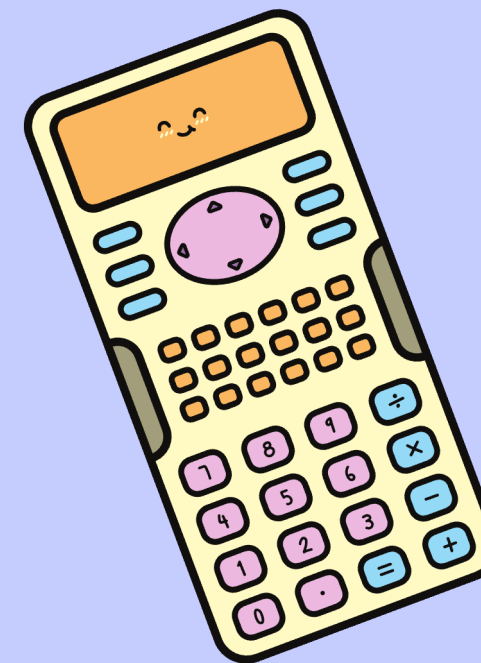
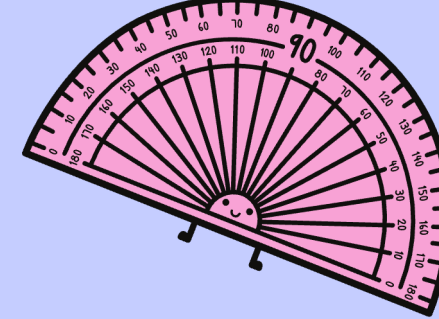
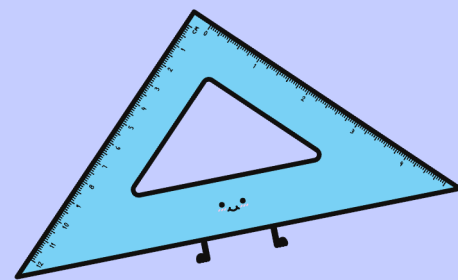
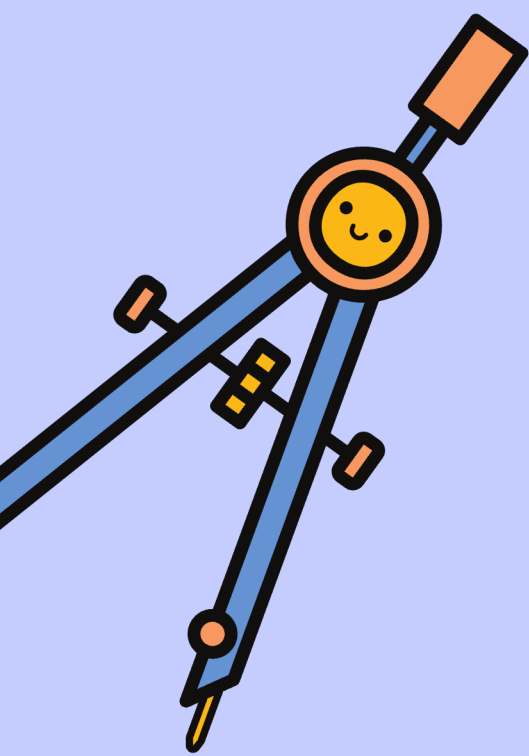


Answer 10

PREVIEW

8.
tens and 2 ones make 82.





PREVIEW

Well Done!
Quiz Complete

