



Colin and Coco's Deliberate Practice

Year 1 Unit 1

Number and Place Value
(Up to at least 20)





Contents

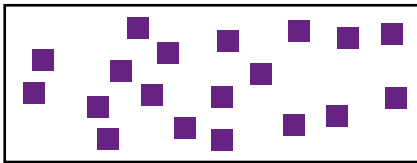
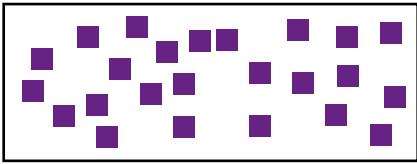
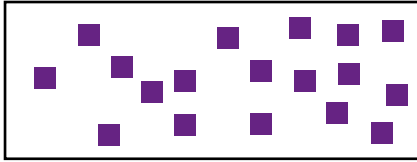
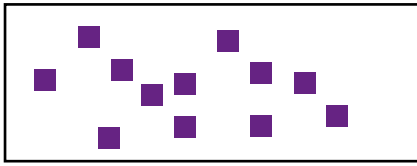
This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Count at least 20 objects	1		1
Represent numbers from 10 to at least 20	1	1	1
Explore the structure of numbers up to at least 20		1	
Represent numbers to at least 20 on a number line		2	
Estimate numbers on a number line			2
Within the range 0 -20 count forwards from a given number to another given number.	2		3
Within the range 20 - 0 count backwards from a given number to another given number	2		3
Read numbers 0 - 20 in words and write using numerals	3	3	
Read numbers 0 - 20 in numerals and write in words	3	3	
Compare numbers identifying which one is more	4		
Compare number identifying which one is less		4	
Order numbers	5		4
Find 1 more than a number up to at least 20		5	5
Find 1 less than a number up to at least 20		5	

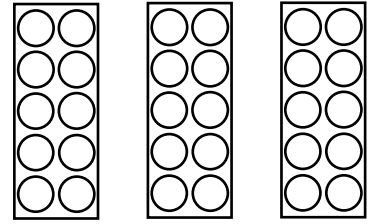


Count how many.

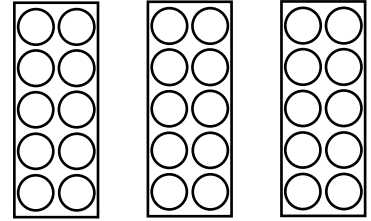


Represent these numbers.

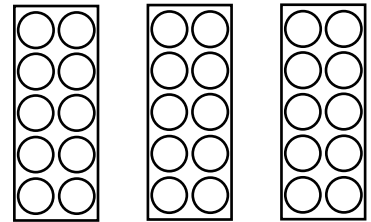
19



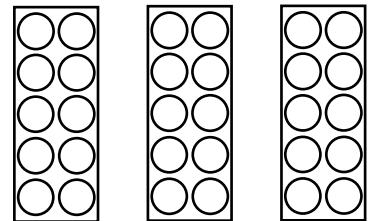
21



12



15



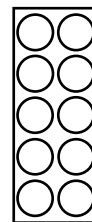
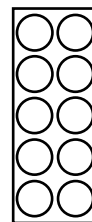
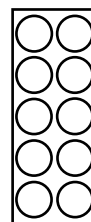
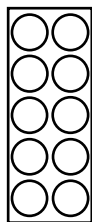
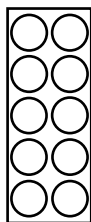
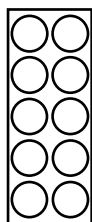
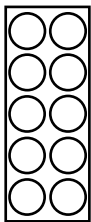
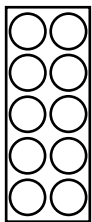
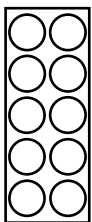
Do It 1

Grab more than ten cubes.
Count how many you have.
Now put them into tens frames and write the number.

Repeat for several numbers.

What do you notice?

Challenge It 1





Counting Game

Play It 1

You need:

1 - 6 dice

Tens frames and counters

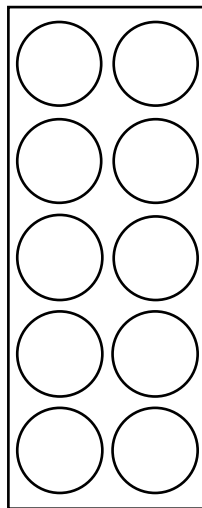
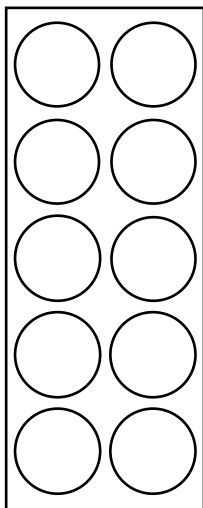
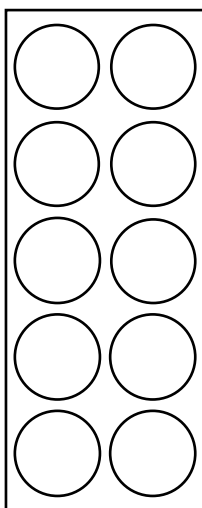
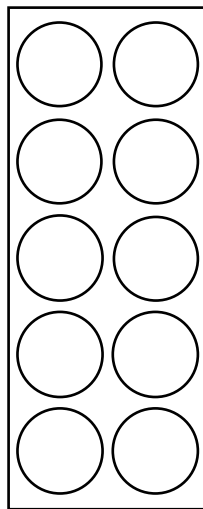
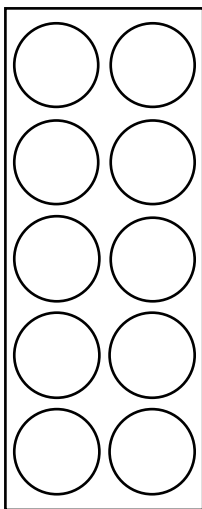
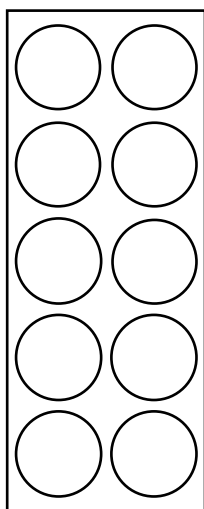
To play:

Each player has three tens frames.

Take turns to throw the dice and collect that number of counters. Place them onto your tens frame then count all your counters aloud.

To win:

The winner is the first player to fill more than 2 tens frames and say how many counters they have in total.





Do It 2

Count up from:

Count back from:

7 to 11

11 to 8

10 to 15

14 to 11

11 to 17

15 to 9

18 to 22

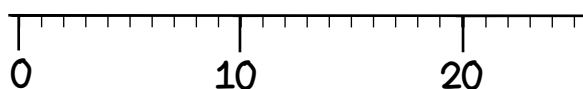
22 to 17

17 to 20

20 to 16

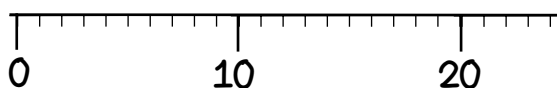
Challenge It 2

On the number line, plot every number that has a 4 digit.



On the same line, plot every number that has a 3 digit.

Now plot every number that has a 1 digit.





Plot It Game

Play It 2

You need:

0 - 20 cards

Landmarked number line

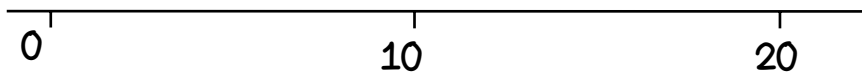
To play:

You need a deck of 0-20 cards shuffled, face down, and a 0-20 landmarked number line.

Take turns to pick a card and convince your opponent where you are going to plot the number on the number line.

To win:

The winner is the first player to plot 4 points without any of their opponent's points in between.





Do It 3

Write these as numbers.

seven

ten

thirteen

sixteen

twenty

Write these in words.

6

3

14

12

19

Challenge It 3

Match number word to the numeral.
Find the missing buddies.

10
18
20
19
12
13
11

twenty
ten
twelve
thirteen
eighteen
eleven
fifteen



Count Forwards and Backwards Game

You need:

0 - 23 cards

To play:

Shuffle the cards and put them in a deck, face down.

Turn over a card. That is the number you start on.

Turn over another card. That is the number you end on.

Score 1 point for counting correctly.

If you say 'ten' score 1 extra point.

If you say 'twenty' score 1 extra point.

For example:

Player 1: Turns over 14

Turns over 22

Counts aloud, 14, 15, 16, 17, 18, 19, 20, 21, 22

Player 1 scores 1 point for counting correctly and 1 point for saying 'twenty'.

Player 2: Turns over 19

Turns over 12

Counts aloud 19, 18, 17, 16, 15, 14, 13, 12

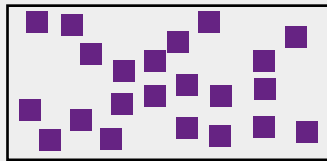
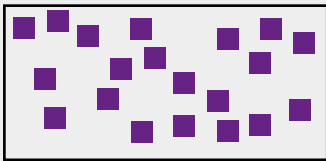
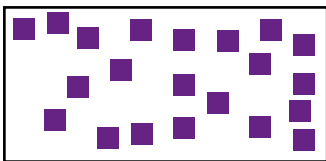
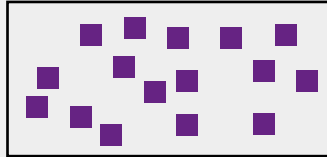
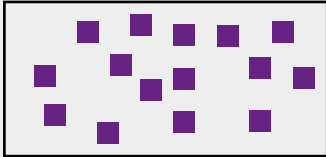
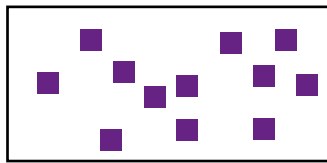
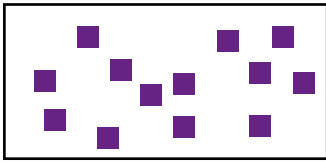
Player 2 scores 1 point for counting correctly.

To win:

The winner is the first player to score 10 points.



Look at two sets.
Tick the set that has more.



Do It 4

Circle the number that is more.

6

4

13

8

14

12

22

24

19

21

20

12

Challenge It 4

Find the missing digits. Complete this statement in several different ways.

1 is less than 1

Is there a digit that cannot go in the first empty box?

Is there a digit that cannot go in the second empty box?



Tens Frame Game

Play It 4

You need:

Three tens frames each

Twelve counters each

1 - 6 dice (or cards)

To play:

Both players start with 12 counters in their tens frames.

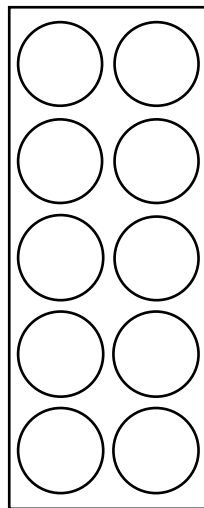
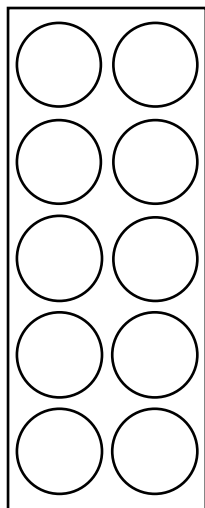
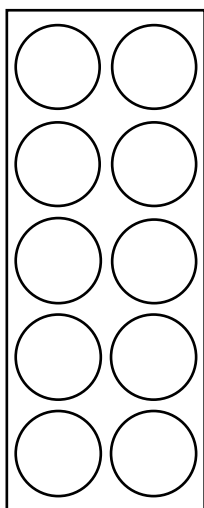
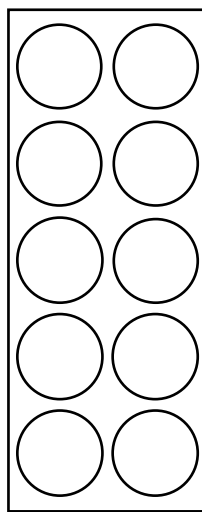
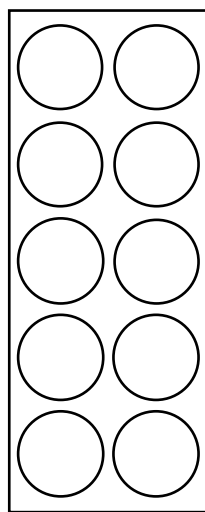
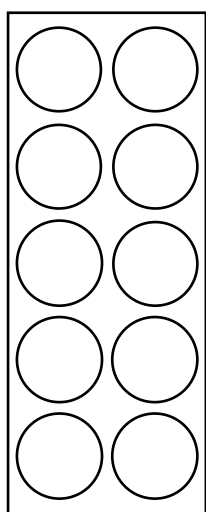
Take turns to throw the dice and give that number of counters to your opponent.

Then say aloud, "I have less than you , so you have more than me."

Or, "I have more that you so you have less than me."

To win:

The winner is the player to get all the counters.





Do It 5

Put the numbers in order from smallest to largest.

Put the numbers in order from largest to smallest.

11, 10, 12

11, 13, 12

18, 17, 19

14, 7, 10

21, 16, 18

16, 19, 21

23, 13, 19

11, 1, 21

20, 15, 10

20, 10, 18

Challenge It 5

Match numbers, so the first number is 1 less than the middle number, and the last number is 1 more than the middle number. Fill in the missing numbers.

1 less



1 more



20

18

10

19

12

11

14

11

21

13

12

19

15

18

14

19

12

20

22

21

16



1 More Game

for numbers up to 30

You need:

1 More Game Board (at the bottom of this page)

10 - 29 cards

A pile of counters for each player

To play:

Shuffle the cards and put them face down in a deck.

Take it in turns to turn over a card and cover one more than that number anywhere on the board.

Place the card into a new pile.

Once the deck is finished, shuffle the cards and carry on playing.

To win:

The winner is the first player to cover four numbers in a line, horizontally, vertically or diagonally.

11	21	18	15	22	26	28	17
17	19	24	21	13	16	23	21
30	12	27	14	24	27	12	25
20	15	22	27	14	23	20	27
18	28	13	26	15	24	13	11
16	30	16	23	28	25	28	18
19	25	20	14	30	19	24	22
29	17	11	29	25	12	26	29