

Place Value

Option

Virtual
Manipulative

We need 27 chocolate bars.
Are 2 packets of this enough?

No, we
need more.

How many more
chocolate bars
does Izzy need?
How can you break
down 27 to find out?



In this chapter, you will:

- find the value of each digit in a number.
- compose, decompose and regroup numbers into tens and ones.
- compare and order numbers within 100.
- round numbers to the nearest 10.

How many chocolate bars do
Ron and Izzy need? **27**

How many chocolate bars are
there in each packet? **10**

Are 2 packets enough? Why?

No, there are 20 bars of chocolate in 2
packets, which is not enough for 27 students

If Ron takes 1 more bar of
chocolate, is it enough? **No**

How many more bars do they need? **7**

How many packets and how many loose bars
of chocolate do you think they would buy?

2 packets and 7 loose bars of chocolate

Look Back

P.20

How many fish has Ron
caught? **5**



How many fish does Ralph have in his pail? **0**

Thinking Cap

Caz has 23 fish.

- a What does 2 mean?
- b What does 3 mean?

Discuss with your partner.



2: 2 10s or 20

3: 3 1s or 3

Let's Learn

P.21

a



Can all the eggs be grouped into 10s? Yes

How many 10s are there? 4

What is another way of writing 4 10s? 40

How many 1s are there? 0

What is another way of writing 0 1s? 0

There are 40 eggs.

You can show 40 in a place-value chart.

10s	1s
4	0

The digit 4 is in the tens place.

Its value is 40.

The digit 0 is in the ones place.

Its value is 0.

P.21

How many 10s are there?

How many 1s are there?

b John shows 34 in a place-value chart.

10s	1s
3	4

The digit 3 is in the tens place.

Its value is 30.

The digit 4 is in the ones place.

Its value is 4.

We can write 34 in 2 different ways :

$$34 = 30 + 4$$

$$34 = \underline{3} \text{ 10s} + \underline{4} \text{ 1s} \text{ or}$$

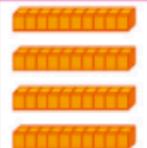
3 10s and 4 1s

Let's Practise

1 There are 47 rulers in a shop.

a Complete the place-value chart.

b The digit 4 is in the tens place.Its value is 40.c The digit 7 is in the ones place.Its value is 7.

	
10s	1s
<u>4</u>	<u>7</u>

Which digit is in the 10s place? 4Which digit is in the 1s place? 7

2 Fill in the blanks.

a $9 \text{ tens} = \underline{90}$

b $\underline{16} = 1 \text{ ten } 6 \text{ ones}$

3

I have between 10 and 20 crayons.

I have between 80 and 90 crayons.
The value of my ones digit is less than the value of A's ones digit.

I have the greatest ones digit which is 9.



Not included

How many crayons could there be in each box?

Explain to your partner.