Worksheet B

Count On and Back Across 0
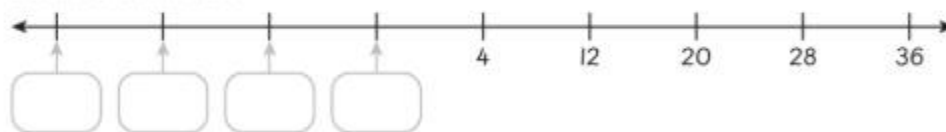
If you are not sure, you can refer to Student's Book pages 28 and 29.

1 What are the missing numbers?
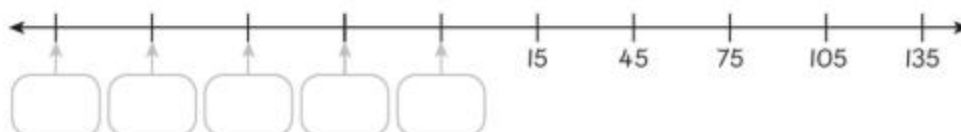
a Count back in 8s.

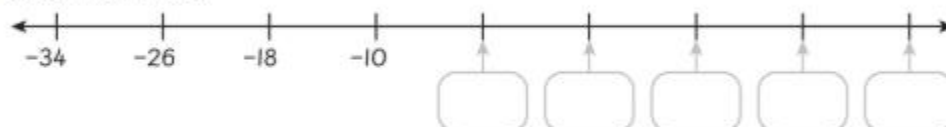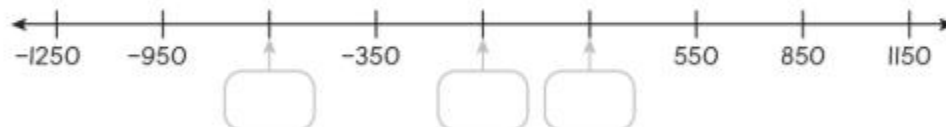┌─────┬─────┬─────┬─────┐ 4 12 20 28 36
│   │   │   │   │

b Count back in 30s.

┌─────┬─────┬─────┬─────┬─────┐ 15 45 75 105 135
│   │   │   │   │   │

c Look at a and b. What do you notice about these numbers?

_____

_____

d Count on in 8s.

−34 −26 −18 −10 ┌─────┬─────┬─────┬─────┬─────┐
                    │   │   │   │   │   │

e Count on in 300s.

−1250 −950 ┌─────┐ −350 ┌─────┬─────┐ 550 850 1150
            │   │   │   │   │

f Look at d and e. What do you observe this time?

_____

_____

2 Izzy is thinking of a number.

Complete the following and colour your answers to find out what number she is thinking of.

a 6 more than −4 is _____.

b 8 less than 5 is _____.

c 60 more than −45 is _____.

d _____ is 80 less than 45.

e _____ is 400 more than −250.

f −175 is _____ less than 125.

2	−35	−45
10	−3	−650
15	3	−225
300	150	−105

Izzy is thinking of the number _____.

3 Write the missing numbers in the sequences.

a 325, 275, 225, 175, _____, _____, _____, _____, _____

How much do you count back each time? _____

How do you know?

_____

b −2500, −2100, −1700, _____, −900, _____, −100, _____, _____

How do you get to the next term? _____

Show an example of a negative number that would not be on each of these sequences and why.

_____

_____

_____

4 Here are some thermometers.

A	B	C

What is the same and what is different between these thermometers?

Can you count on in ones, tens or hundreds on each of them?

_____

_____

_____

_____

Level 1   Level 2   **Level 3**

5 Carla counts on in 50s from −125 and observes a pattern.

When we count on or back across 0, the numbers are always symmetrical about 0!

Carla

Is Carla's statement true?

Show an example that does not work for her statement.

_____

_____

_____