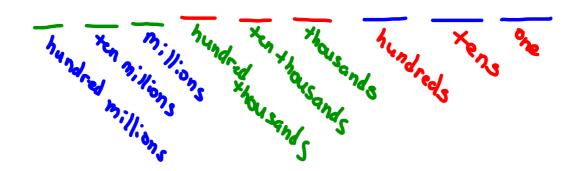
## Warm-Up From Grade 5 Sept. 5

Write the following numbers in standard form.

A) eight bundned thirty-four



- C) forty-eight thousand, fifty-nine +8059
- D) one hundred two thousand, thirty 102 030



## **Problem of the week**





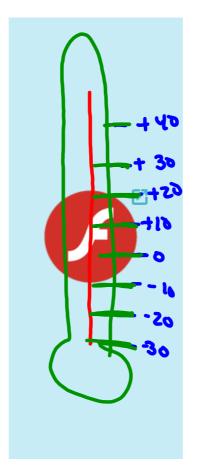
John has a farm with cows and ducks. In all, he has 8 animals and 20 paws. How many cows does he have? How many ducks does he have?

What is this?

**A** thermometer

What is it used for?

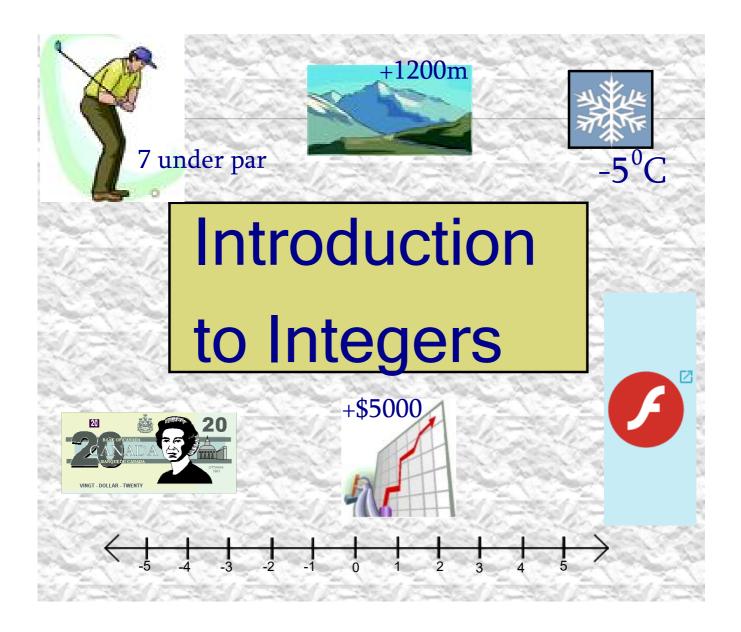
Measure the air temperature!



What is the highest temperature?

What is the lowest temperature?





## What is an integer?

## **Chapter 1 Lesson 8**

Think about temperature...

Temperature is measured in degree celsius (°C)

Water freezes at 0°C



A summer's day may have a temperature of 25°C above 0°C.

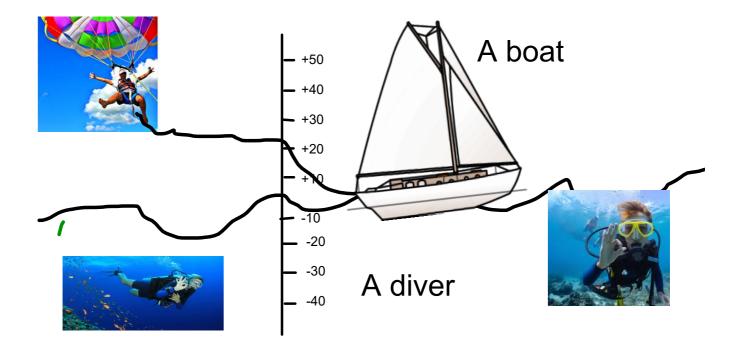
A winter's day may be 30°C below 0°C.

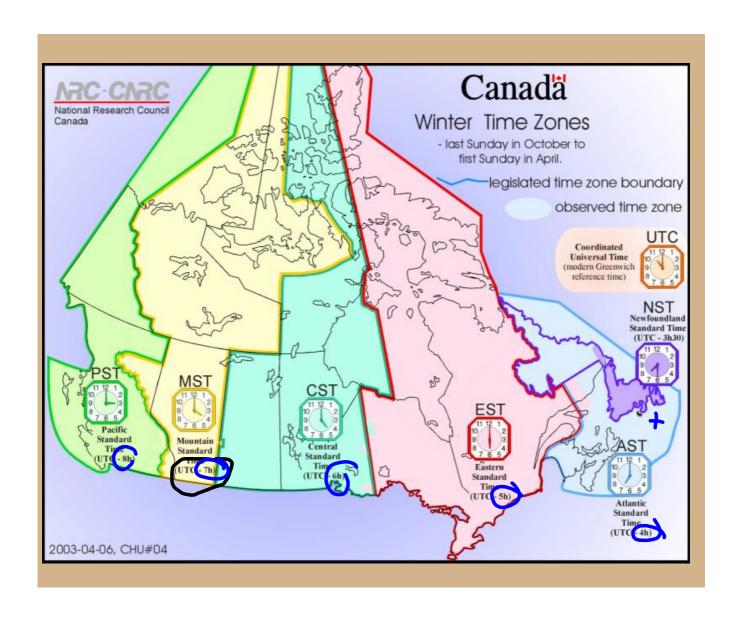
A temperature greater than 0°C is positive

We write 25°C and say twenty-five degree Celsius

A temperature less than 0°C is negative

We write -30°C and say minus thirty degrees Celsius





Unit 2 Numbers

Integers

Key terms

A	SOME Key words		C
	Negatives (-)	Positives (+)	C
	Lost/lose	Gain	p
	withdraw	deposit	У
	reduce	increase	
	go down	go <b>4P</b>	
	below	above	
	back	forward	
	spend	get paid	

Use (+) or (-) to represent the situation

a) 10 degrees below zero



b) parking level is 4 levels below ground

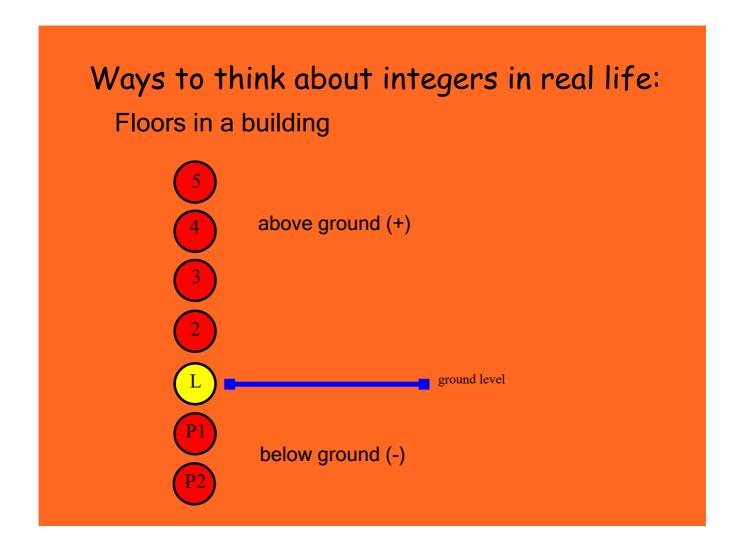


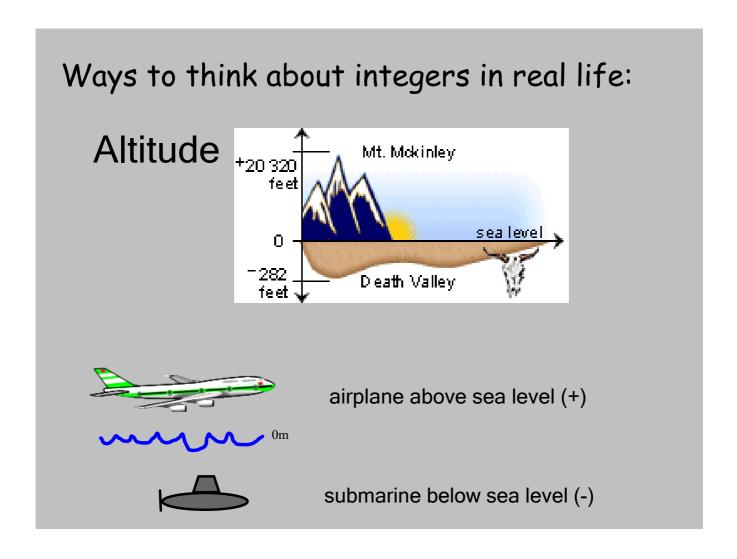
c) 15 meters above sea level

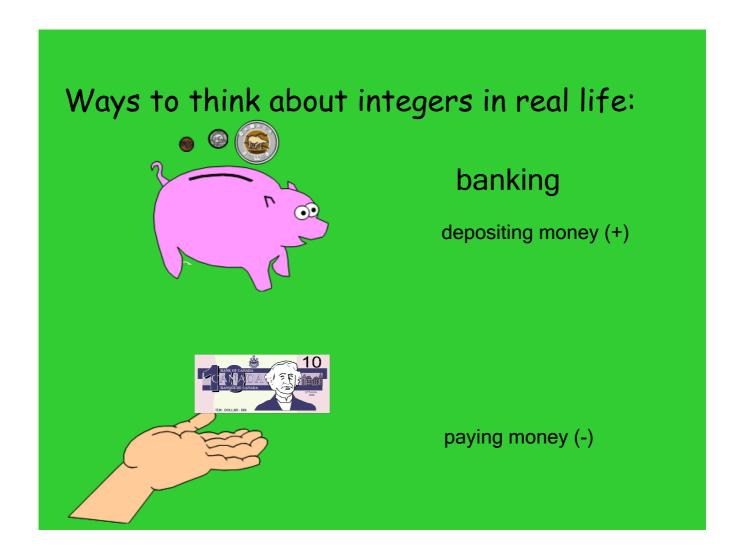
Now write a situation for the number -30

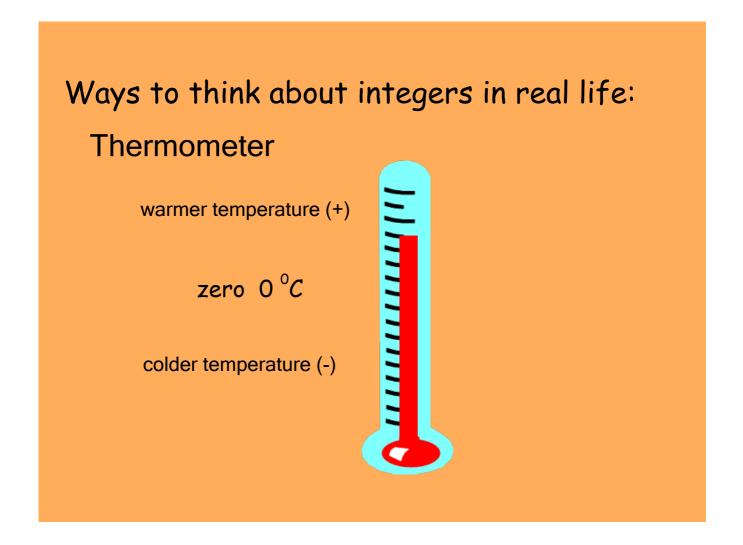
Scubadiver is 30 m below scaled

-> Went back 30 Steps

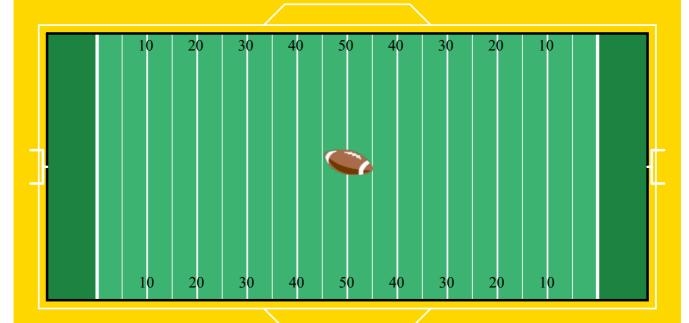












Football

Gaining yards (+) Losing yards (-)

Remember

**Whole numbers** are the numbers you count with 0,1,2,3,4,....

**Integers** are positive or negative whole numbers

ZERO has no sign (used for comparing)

In this unit you MUST include the signs

Text book will use tiles to represent integers when we draw

yellow is +1

shaded +

unshaded -

red is -1

Let's Try

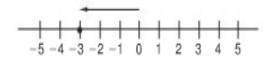
Model -3

Model +5

> We can show integers on a horizontal or vertical number line.

You have used horizontal number lines with whole numbers.

We extend the number line to the left of 0 to show negative integers.



The arrow on the number line represents -3.

-3 is a negative integer. We say, "Negative 3."

