

5. Write an integer to represent each situation.

- a) Sascha dug a hole 1 m deep.
- b) Vincent deposited \$50 in his bank account.
- c) A plane flies at an altitude of 11 000 m.
- d) A submarine travels at a depth of 400 m.

6. Use an integer to represent each situation.

Then use yellow or red tiles to model each integer. Draw the tiles.

- a) 12°C below zero
- b) 10 m above sea level
- c) 9 s before take-off
- d) a drop of \$2 in the price of a movie ticket
- e) a parking spot 5 levels below ground level

Shaded +

Unshade -

7. Describe a situation that could be represented by each integer.

- a) 125
- b) -22
- c) -900
- d) 42 000
- e) 4

9. We measure time in hours. **Show work**
Suppose 12 noon is represented by the integer 0.
- a) Which integer represents 1 P.M. the same day?
 - b) Which integer represents 10 A.M. the same day?
 - c) Which integer represents 12 midnight the same day?
 - d) Which integer represents 10 P.M. the previous day?



10. Statistics Canada reported these data about Canada's population.

Years	Births	Deaths	Immigration	Emigration
1961–1966	2 249 000	731 000	539 000	280 000
1996–2001	1 705 000	1 089 000	1 217 000	376 000

- a) Which numbers can be represented by positive integers? By negative integers? Explain your choices.
- b) Choose one time period. Use a number line to explain the relationship between births and deaths.



Old City Hall