Negative Numbers Extreme

A company has plans to construct a building with floors above and below ground.

If we build from floor −10 to floor 10, we will have 20 floors in total.

Do you agree? Explain your answer.

Find different ways of completing the calculation.

_____ + _____ = −2

Is each statement always true, sometimes true or never true?

When you count forwards in tens from a positive 1-digit number, the final digits of all the numbers are the same.

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Give examples to support your answers.

Example

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In the same town, the temperature during a winter week changed dramatically, but this time the temperature fluctuated even more. The temperature on Monday morning was **2°C**. Each day, the temperature changed as follows:

- On Tuesday, the temperature doubled, then dropped by **8°C**.
- On Wednesday, it increased by **3°C**, then was halved.
- On Thursday, it dropped by **12°C** and then increased by **6°C**.
- On Friday, the temperature was multiplied by **-2**.

• What was the temperature on each day of the week from Monday to Friday?

Monday	°C
Tuesday	°C
Wednesday	°C
Thursday	°C
Friday	°C

• Which day had the lowest temperature?

• If the temperature on Saturday increases by **10°C**, will it be above or below freezing (**0°C**)?

• On which days of the week was the temperature negative?

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

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