One week in March in Peguis, Manitoba, the daily high temperatures were -2°C, −6°C, +1°C, +2°C, -5°C, -8°C and +4°C. What was the mean daily high temperature?

a) (-15) ÷ (-3) − (+4) × (-2)2

b) (−6) – [(-10) + (-14)] ÷ (+2)

c) (-8) + (-2)3 x [4 + (-1)]

Jessie, Landon and Christian were discussing the following problem.

A submersible dives from the surface at 15 m/min for 6 minutes and then at 25m/min for 20 minutes. What is the depth of the submersible after the dive?

They worked together to write the following expression to solve the problem:

6 x (-15) + 20 x (-25)

They each got a different answer.

Jessie got +1750

Landon got -590

Christian got -750

Who’s right?

**Math 8 🡪 Unit 8**

8.5 Applying Integer Operations