L.O To be able to solve problems using subtraction and addition.(h)

1) Buzz Aldrin spent 0.23% of his life in space. After his final mission this rose to 1.39% of his life. Neil Armstrong spent 1.28% of his life in space. This rose to 2.34% after his final mission. Whose percentage rose more, and by how much?

2) Apollo 11 took off at 349.89mph. When it came back to earth it was traveling at 318.82mph. Apollo 13 took off at 379.29mph. When it came back to earth it was traveling at 318.82mph. Which rocket had the biggest difference in speed?

3) Apollo 21 stood at 48.56m high. The rocket boosters came off once it had left the earth's orbit; they were 15.38m. It also dropped the cone which was 2.99m long. How tall was the rocket once they had gone too?

4) Neil Armstrong's space suit's temperature was 37.9°C. When he stepped on the moon this dropped 3.23°C. It then rose 2.57°C when he stepped out of the shadow of the rocket. What was his body temperature when he was out of the shadow of the rocket?

5) During a launch at the Kennedy Space centre, a crowd has to be at least 332.98m from the launch pad. Due to new rules, this has now changed; they now need to be at least 397.79m from the launch pad. During the latest launch NASA moved the crowed back another 10.23m due to wind. How far back were they standing?

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