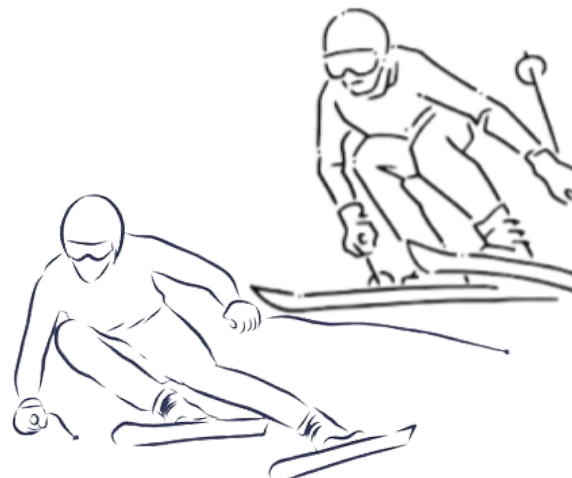


5 February 2024

Name: _____

Station 1: 🎵Racing in a Winter Wonderland🎵



A dad and a son are racing on a 1400-foot track to see who can go the fastest. Because the son is younger and less experienced, the dad gives him a 100-foot head start. The son goes at a rate of 25 feet/sec and the dad goes at a rate of 28 feet/sec

1. What is the equation of the son's speed? How long does it take for the son to reach the finish line(hint: use $y=mx+b$, where m = feet/sec)
2. What is the equation of the dad's speed? How long does it take for the dad to reach the finish line?

Who Won? _____

3. A snowboarder happens to see the race and decides to take a photo at the 30-second mark. How many feet had the dad and the son traveled at the time of the photo?

Station 2: A snowman's secret

Señor Snowman is storing his money in the snow bank for safekeeping. However, he seems to have forgotten where the bank was and the code. Luckily, he wrote down the information he needed in code for safekeeping a while ago. Help him decipher the codes.

1. 14 5 1 18 14 4 5

2. 23 8 5 18 5 11 9 4 19 7 15 6 15 18 2 15 15 11 19.

Where is it hidden: _____

3. A-D

DQLPDO WKDW EXUB DFRUQV.

What is the code: _____

Station 3: Nerdle!

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

End Code:

$$E=mc^2$$

Station 1: _____

Station 2: _____

Station 3: _____

Draw mystery thing: