

Seed Question: James decides to run 3 sprints 3 times a week. He runs 60 meters each sprint. How many total meters does he run a week?

Seed Solution: He sprints $3*3=9$ times. So he runs $9*60=540$ meters. ##### **540**

**Numerical
Substitution**

Question: James decides to run 5 sprints 4 times a week. He runs 80 meters each sprint. How many total meters does he run a week?

Solution: James runs a total of $5 * 4 * 80 = ##### 1600$

**Digit
Expansion**

Question: James decides to run 30 sprints 3 times a week. He runs 600 meters each sprint. How many total meters does he run a week?

Solution: James runs $30 * 600 = 18000$ meters each time. So, he runs $18000 * 3 = ##### 54,000$

**Integer-
decimal-
fraction
Conversation**

Question: James decides to run 3.0 sprints 3 times a week. He runs 60.0 meters each sprint. How many total meters does he run a week in decimal form?

Solution: He sprints $3*3=9$ times. So he runs $9*60=540$ meters. ##### **540**

**Adding
Operation**

Question: James decides to run 3 sprints 3 times a week. He runs 60 meters each sprint. **Additionally, he decides to add a 4th sprint on one of the days**, which is twice as long as his usual sprints. How many total meters does he run in a week?

Solution: James runs 3 sprints 3 times a week, which is $3*3*60 = 540$ meters. He also runs an additional sprint which is twice as long as his usual sprints, which is $2*60 = 120$ meters. So in total, James runs $540 + 120 = ##### 660$

**Reversing
Operation**

Question: James runs a total of 540 meters a week by doing sprints. If he runs 3 sprints 3 times a week, how many meters does he run in each sprint?

Solution: James runs a total of 540 meters in 9 sprints ($3 \text{ sprints} * 3 \text{ times a week}$). Therefore, he runs $540 / 9 = 60$ meters in each sprint. ##### **60**

**Problem
Understanding**

Question: Every week, James opts to do three sprints on three separate days. Each sprint covers a distance of 60 meters. Can you calculate the total distance in meters that he runs in a week?

Solution: He sprints $3*3=9$ times. So he runs $9*60=540$ meters. ##### **540**

**Distractor
Insertion**

Question: James decides to run 3 sprints 3 times a week. Each sprint is 60 meters long. On each day he runs, he also walks an additional 100 meters to the park and back, but this distance is not included in his total sprint distance. How many total meters does he run in his sprints each week?

Solution: He sprints $3*3=9$ times. So he runs $9*60=540$ meters. ##### **540**

**Critical
Thinking**

Question: James decides to run several sprints 3 times a week. He runs 60 meters each sprint. How many total meters does he run a week?

Solution: We don't know the times of sprints. ##### **None**