

Key

In his last football game, Monty, who plays running back, carried the ball seven times with the following results: gained 2 yards, gained 1 yard, gained 0 yards, lost 3 yards, gained 34 yards, lost 1 yard, gained 16 yards.

a) What was the total amount of yards Monty gained after seven carries?

$$+2 + 1 + 0 - 3 + 34 - 1 + 16 = 49 \text{ yards}$$

b) What was Monty's mean gain per carry?

$$= \frac{49}{7} = 7 \text{ yards}$$

Add all of the integers from (+6) to (-5) inclusive.

a) What is the sum? 6

$$-5 + -4 + -3 + -2 + -1 + 0 + 1 + 2 + 3 + 4 + 5 + 6$$

b) What is the mean? 0.5

$$\frac{6}{12}$$

Place brackets to get the following results.

a) $(+4) + (-2) \times (+6) - (+1) = -6$

b) $((+4) + (-2)) \times (+6) - (+1) = +11$

c) $((+4) + (-2)) \times ((+6) - (+1)) = +10$

d) $(+4) + ((-2) \times (+6)) - (+1) = -9$