Name _____   Date _____

Percentage of Fractions Word Problems Lesson

Question:

David is learning to walk the tightrope. He attempts to walk the entire tightrope 32 times. A safety trampoline catches him if he falls. He fell off the tightrope 8 times.

Of all David's attempts to walk the tightrope, what percentage of the time did he successful walk the entire tightrope without falling?

Explanation:

Step 1) Determine the total number of successful attempts.

David attempted 32 walks and he fell 8 times.

Total success = 32 walks – 8 falls = 24 successful walks

Determine the percentage of successful attempts.

Step 2) Convert the faction to a decimal 24 of 32 were successful: $\frac{24}{32}$ = 0.75

Step 3) Convert the decimal to a percentage: 0.75 x 100 = 75%

75% of the attempts were successful.