Grade 9 Mathematics Worksheet

Factorization

Questions:

1. $\dfrac{65^2 - 25^2}{65 + 25} = \ldots$

    A)   90
    B)   17,8
    C)   50
    D) $\dfrac{4}{9}$

Solution

1. $$\frac{65^2 - 25^2}{65 + 25} = \frac{(65 - 15)(65 + 25)}{65 + 25} = 65 - 25 = 40$$

In feedback to learners it is important to note that in *the quotient you may not cancel over any term*. This is the classic mistake that happens in this type of problem.