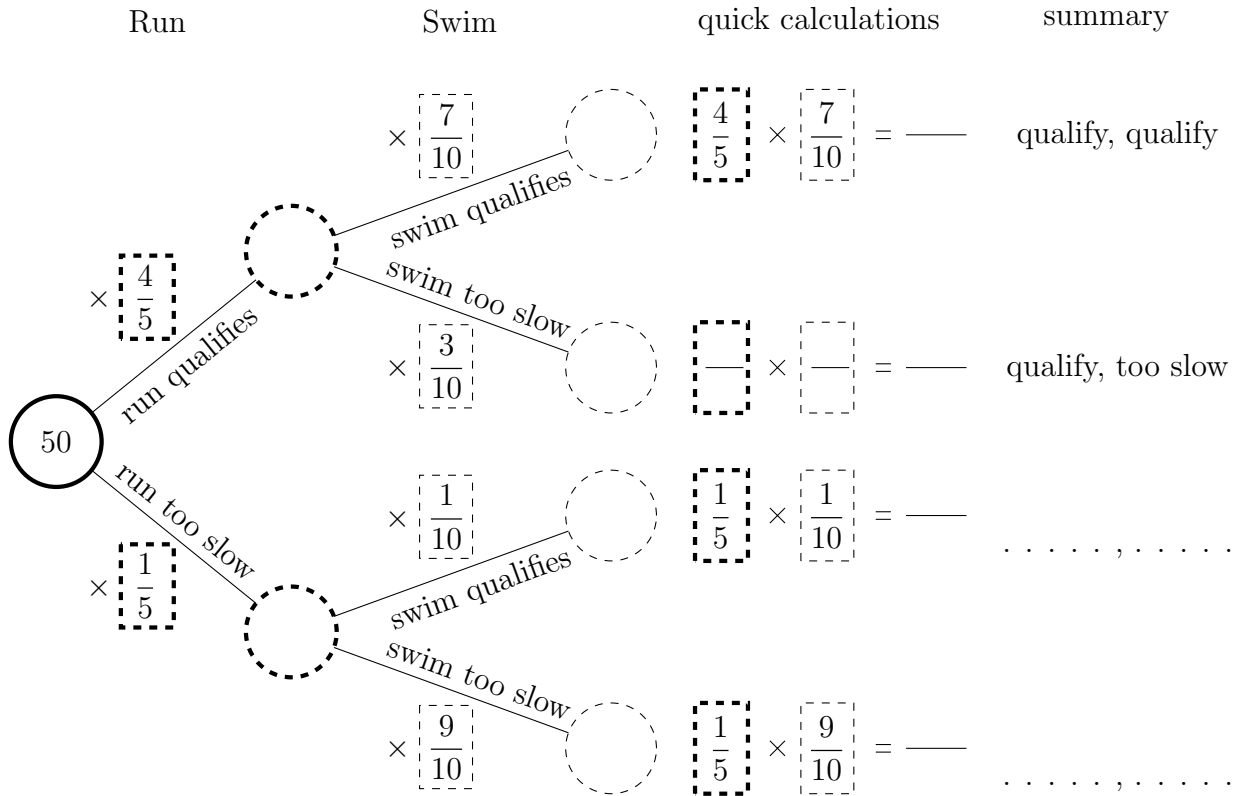To enter an "iron-person" competition Halima needs to run 15 km and swim 3 km fast enough.

The probability that Halima's run qualifies (she runs fast enough) is $\dfrac{4}{5}$

When Halima run qualifies the probability her swim qualifies (she swims fast enough) is $\dfrac{7}{10}$
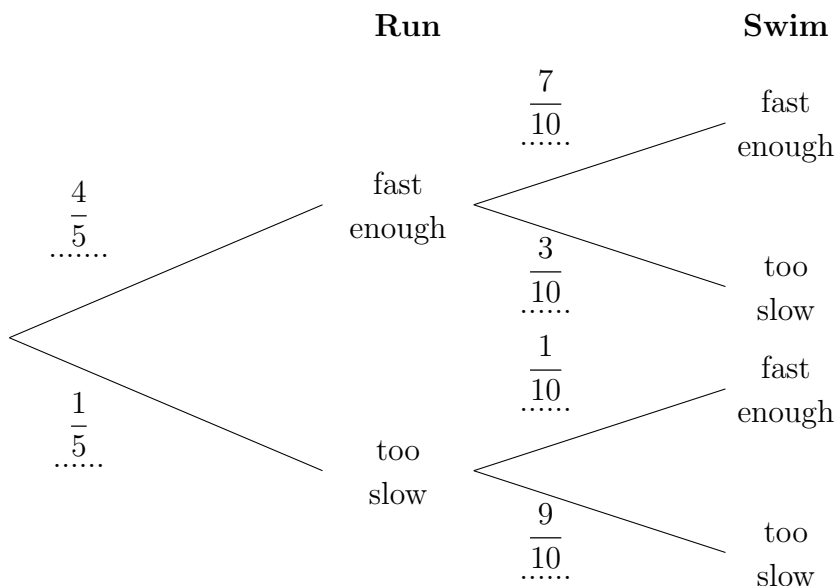
When she runs too slow to qualify the probability she her swim qualifies is $\dfrac{1}{10}$

1. (a) Complete the tree, quick calculations and outcome summary.

(b) Work out the probability that Halima's run is not fast enough but her swim qualifies.

2. {similar intro}

b) Work out the probability that Halima's run is too slow but her swim is fast enough.