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  $\frac{4}{5}$ When Halima run qualifies the probability her swim qualifies (she swims fast enough) is  $\frac{7}{10}$ When she runs too slow to qualify the probability she her swim qualifies is  $\frac{1}{10}$ 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.

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