1. A man rides his bicycle 34 miles in 2 hours. If he travels at the same rate, how long will it take him to travel 153 miles?

a) 8 hours  b) 8.5 hours  c) 9 hours  d) 10 hours

2. An engineer constructs a model of a bridge using a scale of 4 cm = 30 m. If the actual bridge has a length of 105 m, what is the correct length for the model?

a) 14 cm  b) 14.5 cm  c) 15 cm  d) 15.5 cm
Solutions:

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Cross multiply:

Simplify:

Isolate x:

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