

Name KEY

Date 10/20/18

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

a. $53 \times 1.2 \approx \underline{50} \times \underline{1} = \underline{50}$ (estimate)
 $53 \times 1 \approx 53$
 reasonable
 63.6

1
 12 (tenths)
 × 53
 36
 600
 636 tenths

b. $2.1 \times 82 \approx \underline{2} \times \underline{80} = \underline{160}$
 Estimate
 reasonable
 172.2

21 (tenths)
 × 82
 164
 1680
 1722 tenths
 ↑
 tenths place

2. Estimate. Then, use the standard algorithm to solve. Express your products in standard form.

a. $4.2 \times 34 \approx \underline{4} \times \underline{30} = \underline{120}$
 42 (tenths)

× 34
 168
 1260
 1428 tenths

142.8 reasonable

b. $65 \times 5.8 \approx \underline{70} \times \underline{6} = \underline{420}$
 58 (tenths)

× 65
 290
 3480
 3770 tenths

377 reasonable