

## Conversion of Units (Length Imperial)

KEY

Convert the following (Show your Steps)

1. 450in to ft	$450_{in} \cdot \frac{1ft}{12in} = \frac{450}{12} = 37.5 ft$
2. 1245in to yards	$1245_{in} \cdot \frac{1ft}{12in} \cdot \frac{1yd}{3ft} = \frac{1245}{12 \cdot 3} = 34.6 yds$
3. 900miles to ft	$900_{miles} \cdot \frac{1760yds}{1mile} \cdot \frac{3ft}{1yd} = 4752000 ft$
4. 765ft to miles	$765ft \cdot \frac{1yd}{3ft} \cdot \frac{1mile}{1760yd} = \frac{765}{3 \cdot 1760} = 0.14 miles$
5. 0.004miles to ft	$0.004_{miles} \cdot \frac{1760yds}{1mile} \cdot \frac{3ft}{1yd} = 21.12 ft$
6. 12ft to miles	$12ft \cdot \frac{1yd}{3ft} \cdot \frac{1mile}{1760yd} = \frac{12}{3 \cdot 1760} = 0.002 mile$
7. 2348in to ft	$2348_{in} \cdot \frac{1ft}{12in} = \frac{2348}{12} = 195.7 ft$
8. 34miles to inches	$34_{miles} \cdot \frac{1760yds}{1mile} \cdot \frac{3ft}{1yd} \cdot \frac{12in}{1ft} = 2154240 in$
9. 2.5ft to yards	$2.5ft \cdot \frac{1yd}{3ft} = \frac{2.5}{3} = 0.83 yd$
10. 0.0005miles to inches	$0.0005_{miles} \cdot \frac{1760yds}{1mile} \cdot \frac{3ft}{1yd} \cdot \frac{12in}{1ft} = 31.68 in$