

Calculating Map Distance Answer Sheet

1. There are **100,000 centimetres** in a kilometre.
2. There are **63360 inches** in a mile.
3. $4,300,200 \text{ cm} = \mathbf{43.002 \text{ km}}$
4. $42 \text{ km} = \mathbf{42000 \text{ m}}$
5. $2100 \text{ m} = \mathbf{2.1 \text{ km}}$
6. $3,900,000 \text{ in} = \mathbf{61.55 \text{ mi}}$
7. $1/50,000 = 8\text{cm}/x$
 $400,000 \text{ cm} = x$
 $400,000 \text{ cm}/100,000\text{cm} = \mathbf{4 \text{ km}}$
8. $1/250,000 = 12\text{cm}/x$
 $300,000 \text{ cm} = x$
 $300,000 \text{ cm} /100,000 \text{ cm} = \mathbf{30 \text{ km}}$
9. $1/24,000 = 3.2 \text{ in}/x$
 $76800 \text{ in} = x$
 $76800 \text{ in} / 63360 \text{ in} = \mathbf{1.21 \text{ mi.}}$