

***Decimal Fractions*****Lecture sheet – 9*****Solution***

1. In 2.5 hours, the car runs 114.5 km  
In 1 hours, the car runs  $(114.5 \div 2.5)$  km  
 $= (1145.0 \div 25)$  Km  
 $= 45.8$  km

	Rough
	45.8
25 )	1145.0
	100
	145
	125
	200
	200
	0

***Ans:*** 45.8 km

2. Given,  
Area of rectangular band =  $729 \text{ m}^2$   
And width = 22.5 m  
We know,  
Length of land = Area  $\div$  Width  
 $= (729 \div 22.5)$  m  
 $= \left(\frac{729 \times 10}{22.5 \times 10}\right)$  m

$$\begin{aligned}
 &= \frac{7290}{225} \text{ m} \\
 &= 32.4 \text{ m}
 \end{aligned}$$

Rough	
32.4	
225 ) 7290.0	
675	
540	
450	
900	
900	
0	

**Ans:** 32.4 m

3.

3.25 m long iron bar weighs 15.6 kg  
 1 m long iron bar weighs  $(15.6 \div 3.25)$  kg  
 $= (1560.0 \div 325)$  Kg  
 $= 4.8$  kg

Rough	
4.8	
325 ) 1560.0	
1300	
2600	
2600	
0	

**Ans:** 4.8 kg