

Science 10: Motion: Unit Conversion Worksheet #2

To convert:

m/s to km/h...X 3.6

m/s to mph...X2.24

km/h to m/s...X0.278

km/h to mph...X0.62

mph to m/s...X0.45

mph to km/h...X1.609

Perform each of the following unit conversions:

1. $16\text{m/s} = \underline{\hspace{2cm}}\text{km/h}$
2. $100\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
3. $2.5\text{m/s} = \underline{\hspace{2cm}}\text{mph}$
4. $7.3\text{mph} = \underline{\hspace{2cm}}\text{km/h}$
5. $85\text{km/h} = \underline{\hspace{2cm}}\text{m/s}$
6. $300\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
7. $0.75\text{m/s} = \underline{\hspace{2cm}}\text{km/h}$
8. $400\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
9. $25\text{m/s} = \underline{\hspace{2cm}}\text{km/h}$
10. $5.25\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
11. $32.67\text{m/s} = \underline{\hspace{2cm}}\text{km/h}$
12. $45\text{km/h} = \underline{\hspace{2cm}}\text{m/s}$
13. $101\text{mph} = \underline{\hspace{2cm}}\text{km/h}$
14. $49\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
15. $60\text{mph} = \underline{\hspace{2cm}}\text{km/h}$
16. $325\text{km/h} = \underline{\hspace{2cm}}\text{mph}$
17. $0.50\text{m/s} = \underline{\hspace{2cm}}\text{km/h}$
18. $10.5\text{km/h} = \underline{\hspace{2cm}}\text{m/s}$
19. $92.5\text{mph} = \underline{\hspace{2cm}}\text{km/h}$
20. $1000\text{km/h} = \underline{\hspace{2cm}}\text{mph}$