**Unit Conversion Practice**

|  |  |
| --- | --- |
| 1. 50m/s to km/h
 | **16.** 30m/s to km/h |
| 1. 3.56km to m
 | **17.** 24m/minutes to m/s |
| 1. 42000s to hours
 | **18.** 45000000s to h |
| 1. 400km/h to m/s
 | **19.** 3m/s2 to km/h2 |
| 1. 60m/s to km/h
 | **20.** 24cm/s to m/min |
| 1. 30m/min to km/s
 | **21.** 300m/min to cm/s |
| 1. 2000kg to g
 | **22.**  |
| 1. 24h to seconds
 | **23.** 30km/h to m/s |
| 1. 54m/min to m/s
 | **24.** 100km/h to m/s |
|  | **25.** 47.5minutes to seconds |
| 1. 30cm to m
 | **26.** 3.2h to seconds |
| 1. 32h to seconds
 | **27.** 3000s to hours |
| 1. 4000g to kg
 | **28.** 49km to cm |
| 1. 80km/h to m/s
 | **29.** 13.9m/s to km/h |
| 1. 200km/h to m/min
 | **30.** 20m/s to km/h |

|  |  |
| --- | --- |
| 1. 50m/s to km/h

50 x 3.6 = 180 km/h | **16.** 30m/s to km/h 30 x 3.6 = 108 km/h |
| 1. 3.56km to m

3560 m | **17.** 24m/minutes to c 24/60 = 0.4 km/h |
| 1. 42000s to hours

42000/3600 = 12 hours (2sf) | **18.** 45000000s to h |
| 1. 400km/h to m/s

400 /3.6 = 110 m/s (2sf) | **19.** 3m/s2 to km/h2 |
| 1. 60m/s to km/h

60 x 3.6 = 216 km/h | **20.** 24cm/s to m/min |
| 1. 30m/min to km/s

30 /60 / 1000 = 5 x 10-4 km/s | **21.** 300m/min to cm/s |
| 1. 2000kg to g

2 x106 g | **22.**  |
| 1. 24h to seconds

24 x 3600 = 86000s (2sf) | **23.** 30km/h to m/s |
| 1. 54m/min to m/s

54/60 = 0.9 m/s | **24.** 100km/h to m/s |
|  | **25.** 47.5 minutes to seconds |
| 1. 30cm to m
 | **26.** 3.2h to seconds |
| 1. 32h to seconds
 | **27.** 3000s to hours |
| 1. 4000g to kg
 | **28.** 49km to cm |
| 1. 80km/h to m/s
 | **29.** 13.9m/s to km/h |
| 1. 200km/h to m/min
 | **30.** 20m/s to km/h |

Answers