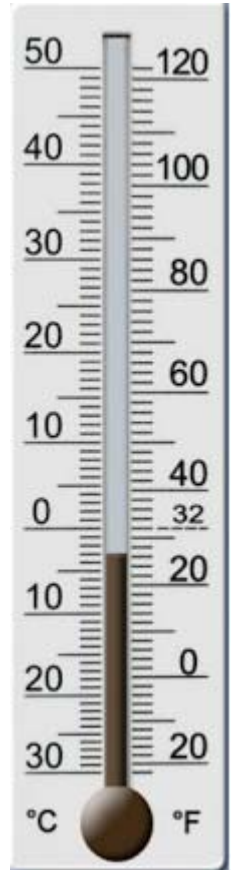


Basic Units Practice #5

1. Why is 32°F specially marked?
2. What is the reading shown on the thermometer?
3. What is the temperature of a human body? (not sick)
4. Estimate the width of a piece of A4 paper:
5. What is the maximum take-off weight of a modern Boeing 747 jet?
750 tonnes 75 tonnes 7.5 tonnes 750 kg
6. What is 0.42 km in m?
7. What is 5.6 m in cm?
8. What is 68 mg in g?
9. What is 9.5 kg in g?
10. What is 8000 cm^3 in mL?
11. What is 385 minutes in hours?
12. What is 8.2 minutes in seconds?
13. What is two-thirds of an hour in minutes?
14. How many hours, as a decimal, is 88 minutes?
15. How many lots of 40 minutes are there in 7 hours?
16. How long is it from 8:24 p.m. to 2:48 a.m. (the next day)?
17. How long is it from 5:50 a.m. to 9:45 p.m.?
18. What is the time six hours after 8:50 p.m.?
19. What is a quarter to nine in the morning in 24 hour time?
20. What is 1325 in normal time?



Answers: Basic Units Practice #5

Note: don't leave out units

- Why is 32°F specially marked? **It is the freezing point of water (0°C)**
- What is the reading shown? **minus 3°C or -3°C** (note it is below zero)
- What is the temperature of human body? (not sick) **between 36 and 38°C**
- Estimate the width of a piece of A4 paper: **210 mm (21 cm)**
- What is the maximum take-off weight of a modern Boeing 747 jet?
750 tonnes 75 tonnes 7.5 tonnes 750 kg
- What is 0.42 km in m? **420 m**
- What is 5.6 m in cm? **560 cm**
- What is 68 mg in g? **0.068 g**
- What is 9.5 kg in g? **9,500 g**
- What is 8000 cm³ in mL? **8000 mL** (which is 8 L)
- What is 385 minutes in hours? $\frac{385}{60} = 6\frac{25}{60} = 6\frac{5}{12}$ or **6.42 hours** (rounded to 2 d.p.)
- What is 8.2 minutes in seconds? $8.2 \times 60 = 492$ **seconds** (note: 8.2 min is not 8m 20 s)
- What is two-thirds of an hour in minutes? $\frac{2}{3} \times 60 = 40$ **minutes**
- How many hours, as a decimal, is 88 minutes? $88 \div 60 = 1.47$ **minutes** (to 2 d.p.)
- How many lots of 40 minutes are there in 7 hours? $7 \times 60 \div 40 = 10.5$ **lots**
- How long is it from 8:24 p.m. to 2:48 a.m. (the next day)? **6 hours 24 minutes**
- How long is it from 5:50 a.m. to 9:45 p.m.? **15 hours 55 minutes**
- What is the time six hours after 8:50 p.m.? **2:50 a.m. (the next day)**
- What is a quarter to nine in the morning in 24 hour time? **08:45 or 0845 (hours)**
- What is 1325 in normal time? **1:25 p.m. (twenty five past one in the afternoon)**

