Units of Time

1 a) Betty counted 17 pulse beats in 15 seconds. What is her pulse rate per minute?
   b) Jim counted 34 beats in 30 seconds. How many times per minute was his heart beating

2 a) How many months are in a year
   b) Write the names of the months that have 31 days
   c) Write the names of the months that have 30 days
   d) Which month has 29 days in a leap year?
   e) How many weeks in a year?
   f) How many days in a year?
   g) How many hours in a day?
   h) How minutes in an hour?
   i) How many seconds in a minute?
   j) How many seconds in a year?

3 Look a this year's calendar
   a) How many Saturdays in July?
   b) What is 2 weeks after September 15th
   c) 0n what day of the week did ANZAC day fall?

4 Find the answers to these
   a) 3 hours = ___ minutes
   b) 5 weeks = ___ days
   c) 180 minutes = ___ hours
   d) 5 minutes = ___ seconds
   e) 3 years = ___ months
   f) 5 centuries = ___ years
   g) 6 days = ___ hours
   h) 72 hours = ___ days
   i) 420 seconds = ___ minutes
   j) 8 hours = ___ minutes

5 Write these times in hours and minutes
   a) 3½ hours   b) 5⅕ hours   c) 1¼ hours   d) 4⅓ hours
   e) 2.5 hours   f) 1.75 hours   g) 7.25 hours   h) 4.2 hours

6 Change these 12-hour times to 24-hour times
   a) 4:40 p.m   b) 10:55 a.m   c) 20 to 9 in the morning
   d) 12 noon   e) 9:50 p.m   f) quarter past four in the afternoon
   g) 8.45 a.m   h) 3.06 p.m   i) 7 minutes to midnight

7 Change these 24-hour times to 12-hour times
   a) 0940 hours   b) 1144 hours   c) 1535 hours
   d) 1830 hours   e) 2312 hours   f) 1033 hours

8 Round these times to the nearest hour
   a) 2:37 pm   b) 5.23 am   c) 1413 hours   d) 1856 hours

Answers

1 a) 68
   b) 68

2 a) 12
   b) January, March, May, July, August, October, December
   c) September, April, June, November
   d) February
   e) 52
   f) 365
   g) 24
   h) 60
   i) 60
   j) 31 536 000

3 a) 5
   b) 29th September
   c) Monday

4 a) 180 minutes
   b) 35 days
   c) 3 hours
   d) 300 seconds
   e) 36 months
   f) 500 years
   g) 144 years
   h) 3 days
   i) 7 minutes
   j) 31 536 000
   k) 480 minutes

5 a) 3 h 30 mins   b) 5 h 12 mins   c) 1 h 15 mins   d) 4 h 20 mins
   e) 2 h 30 mins   f) 1 h 45 mins   g) 7 h 15 mins   h) 4 h 12 mins

6 a) 1640   b) 1055   c) 0840
   d) 1200   e) 2150   f) 1615
   g) 0845   h) 1506   i) 2353

7 a) 9:40 am   b) 11:44 am   c) 3:35 pm
   d) 6:30 pm   e) 11:12 pm   f) 10:33 am

8 a) 3:00 pm   b) 5.00 am   c) 1400 hours   d) 1900 hours