

1008 Dreketi Sangam School

Mathematics

Marking Scheme

Year 8

1. a) $2\text{h} = 120\text{ min}$ b) $3\text{ min} = 180\text{ s}$ c) $180\text{min} = 3\text{ hrs}$
e) $15\text{ s} = 0.25\text{ min}$ f) $24\text{ h} = 1\text{ day}$ f) $48\text{ h} = 2\text{ days}$

2. How many:

- i) Seconds in an hour? 60 s ii) minutes in a day? 1440 mins iii) hours in a week? 168 hrs

3. The following are written in 24-hour time. Rewrite these times in standard 24 hour time, indicating whether they are am or pm.

- a) 0420- $4:20\text{ am}$ b) 1030- $10:30\text{ am}$ c) 1310- $1:10\text{ pm}$
d) 2240- $10:40\text{ pm}$ e) 0959- $9:59\text{ am}$ d) 2324- $11:24\text{ pm}$
e) 00:20- $12:20\text{ am}$ f) 14:43- $2:43\text{ pm}$ g) 11:01- $11:01\text{ am}$

4. Write these times as they would appear on a 24-hour clock.

- a) 5:20am- 0520 hrs b) 3:19pm- 1519 hrs
c) half past 2 in the morning- 0230 hrs d) a quarter to 3 in the morning- 0245 hrs
e) 10 past 5 in the afternoon- 1710 hrs f) 12 noon- 1200 hrs

5. Add these times together, expressing each answer in hours and minutes.

- a) $3\text{ h } 10\text{ min} + 1\text{hr } 20\text{min} = 4\text{hrs } 30\text{ mins}$ b) $5\text{ h } 50\text{ min} + 2\text{hr } 30\text{ min} = 8\text{hrs } 20\text{ mins}$

6. Subtract these times

- a) $8\text{ h } 03\text{min} - 4\text{ h } 47\text{ min} = 3\text{ hrs } 16\text{ mins}$ b) $10\text{ h } 13\text{min} - 5\text{ h } 39\text{ min} = 4\text{ hrs } 34\text{ mins}$

7. What will be the time of the following?

- a) $1\frac{1}{2}$ hours after 5.30 pm? $7:00\text{ pm}$
b) $3\frac{1}{4}$ hours before 9.00am? $5:45\text{ am}$
c) $3\text{ h } 45\text{ min}$ after a quarter past 7 in the evening? $11:00\text{ pm}$