



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV TERM - SECOND SUBJECT- ARITHMETIC ANSWER WORKSHEET – 27 TOPIC – TIME DATE – 23.06.2020

## 1. Change into 12 hour clock times.

- a) 1530 hours = 3:30 p.m.
- b) 1820 hours = 6:20 p.m.
- c) 0745 hours = 7:45 a.m.
- d) 2315 hours = 11:15 p.m.

## 2. Convert into minutes.

**1 hour = 60 minutes**

- a) 12 h 30 min  
= (12 X 60) min + 30 min  
= (720 + 30) min  
= 750 min
- b) 8 h 45 min  
= (8 X 60) min + 45 min  
= (480 + 45) min  
= 525 min
- c) 10 h 15 min  
= (10 X 60) min + 15 min  
= (600 + 15) min  
= 615 min
- d) 2 days  
1 day = 24 hours  
2 days = 24 X 2 = 48 hours  
48 hours = (48 X 60) min  
= 2880 min

## 3. Change into 12 hour clock times starting from 12:00 midnight.

**1 hour = 60 minutes**

- a) 960 min  
= (960 ÷ 60) hours  
= 16 hours  
= 4:00 p.m.

$$\begin{array}{r} 16 \\ 60 \overline{) 960} \\ \underline{60} \\ 360 \\ \underline{360} \\ 0 \end{array}$$

$$\begin{aligned}
 & \text{b) } 750 \text{ min} \\
 & = (750 \div 60) \text{ hours} \\
 & = 12 \text{ hours } 30 \text{ min} \\
 & = 12:30 \text{ p.m.}
 \end{aligned}$$

$$\begin{array}{r}
 12 \\
 60 \overline{) 750} \\
 \underline{60} \\
 150 \\
 \underline{120} \\
 30
 \end{array}$$

$$\begin{aligned}
 & \text{c) } 1245 \text{ min} \\
 & = (1245 \div 60) \text{ hours} \\
 & = 20 \text{ hours } 45 \text{ min} \\
 & = 8:45 \text{ p.m.}
 \end{aligned}$$

$$\begin{array}{r}
 20 \\
 60 \overline{) 1245} \\
 \underline{120} \\
 45
 \end{array}$$

$$\begin{aligned}
 & \text{d) } 1120 \text{ min} \\
 & = (1120 \div 60) \text{ hours} \\
 & = 18 \text{ hours } 40 \text{ min} \\
 & = 6:40 \text{ p.m.}
 \end{aligned}$$

$$\begin{array}{r}
 18 \\
 60 \overline{) 1120} \\
 \underline{60} \\
 520 \\
 \underline{480} \\
 40
 \end{array}$$

#### 4. Convert into seconds.

**1 minute = 60 seconds**

$$\begin{aligned}
 & \text{a) } 10 \text{ min } 30 \text{ s} \\
 & = (10 \times 60) \text{ s} + 30 \text{ s} \\
 & = (600 + 30) \text{ s} \\
 & = 630 \text{ s}
 \end{aligned}$$

$$\begin{aligned}
 & \text{b) } 15 \text{ min } 45 \text{ s} \\
 & = (15 \times 60) \text{ s} + 45 \text{ s} \\
 & = (900 + 45) \text{ s} \\
 & = 945 \text{ s}
 \end{aligned}$$

$$\begin{aligned}
 & \text{c) } 20 \text{ min } 15 \text{ s} \\
 & = (20 \times 60) \text{ s} + 15 \text{ s} \\
 & = (1200 + 15) \text{ s} \\
 & = 1215 \text{ s}
 \end{aligned}$$

$$\begin{aligned}
 & \text{d) } 17 \text{ min } 55 \text{ s} \\
 & = (17 \times 60) \text{ s} + 55 \text{ s} \\
 & = (1020 + 55) \text{ s} \\
 & = 1075 \text{ s}
 \end{aligned}$$

## 5. Convert into minutes and seconds.

**1 minute = 60 seconds**

a) 850 s

$$= 840 \text{ s} + 10 \text{ s}$$

$$= (840 \div 60) \text{ min} + 10 \text{ s}$$

$$= 14 \text{ min} + 10 \text{ s}$$

$$= 14 \text{ min } 10 \text{ s}$$

b) 1575 s

$$= 1560 \text{ s} + 15 \text{ s}$$

$$= (1560 \div 60) \text{ min} + 15 \text{ s}$$

$$= 26 \text{ min} + 15 \text{ s}$$

$$= 26 \text{ min } 15 \text{ s}$$

c) 1250 s

$$= 1200 \text{ s} + 50 \text{ s}$$

$$= (1200 \div 60) \text{ min} + 50 \text{ s}$$

$$= 20 \text{ min} + 50 \text{ s}$$

$$= 20 \text{ min } 50 \text{ s}$$

d) 2430 s

$$= 2400 \text{ s} + 30 \text{ s}$$

$$= (2400 \div 60) \text{ min} + 30 \text{ s}$$

$$= 40 \text{ min} + 30 \text{ s}$$

$$= 40 \text{ min } 30 \text{ s}$$