# Gr. 4 Time Study Guide

1) Telling time with fractions: (p. 1-10)

4:00
4 o'clock
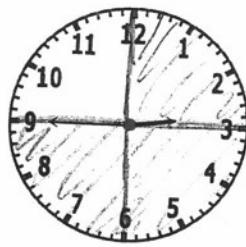
7:15
quarter past/
after 7
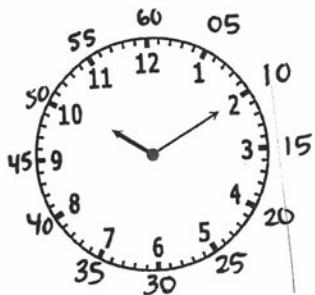
2:30
half past 2

2:45
quarter to 3

2) Telling time every 5 minutes: (p. 11-13)

10:10

3) Telling time to the minute: (p. 14-15)

3:53

4) Duration of time or elapsed time: (p. 16-26)

Start time : 1:45
End time : 2:05
Duration : 20 minutes

5) Converting hours, minutes, and seconds : (p. 27-32)

$$60 \text{ seconds} = 1 \text{ minute}$$

$$60 \text{ minutes} = 1 \text{ hour}$$

a) larger unit of measurement to a smaller (x):

$$5 \text{ hours} = 300 \text{ minutes}$$

$$\begin{array}{r} 60 \\ \times 5 \\ \hline 300 \end{array}$$

b) a smaller unit of measurement to a larger (÷):

$$300 \text{ seconds} = 5 \text{ minutes}$$

$$300 \div 60 =$$
$$(\div 10)$$
$$30 \div 6 = 5$$

or

$$\begin{array}{r} 2 \\ 300 \\ -60 ① \\ \hline 240 \\ -60 ② \\ \hline 180 \\ -60 ③ \\ \hline 120 \\ -60 ④ \\ \hline 60 \\ -60 ⑤ \\ \hline 0 \end{array}$$

1) O'clock, quarter after/past, half past, quarter to

Practice

1. Match each analog clock with the digital clock that shows the same time.

a) [analog clock] b) [analog clock] c) [analog clock] d) [analog clock]

A [digital clock] B [digital clock] C [digital clock] D [digital clock]

**2.** Write each time in two ways. The first one is done for you.

a) [analog clock] 12:30 half past 12

b) [analog clock]

c) [analog clock]

d) [analog clock]

e) [analog clock]

f) [analog clock]

3. Write each time in a different way.

a) 6:00   b) quarter to 1   c) eleven forty-five   d) 4:15
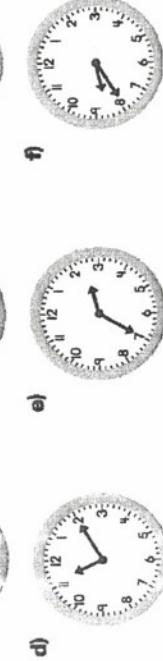
4. Draw a digital clock to show each time.

a) seven thirty   b) one fifteen   c) four forty-five

d) three o'clock   e) quarter to eight   f) half past two

6. Jodie started her homework at 5:00. She worked for $\frac{1}{2}$ an hour. At what time did Jodie finish?

7. Ho went fishing for 45 minutes. He started at quarter to 7. At what time did Ho finish?

[illustration of a person fishing]

[analog clock]

8. Stefan looked at this clock and said, "It is quarter to six." Petra looked at the clock and said, "It is five forty-five." Who is correct? Explain.

9. Jessie practised archery for half an hour. She started at 3:30. At what time did she finish?

1) [Telling time every 5 min?]

1. Recess starts at 10:10 A.M. and ends at 10:25 A.M.
How long is recess?

2. Find each elapsed time.
   a) 9:15 A.M. to 10:10 A.M.
   b) 3:30 P.M. to 4:15 P.M.
   c) 11:50 A.M. to 12:10 P.M.

3. Aaron listened to music for 35 minutes.
He started at 6:25 P.M.
At what time did Aaron stop?

4. You have 20 minutes to clean your room.
You start at 3:45 P.M.
You finish at 4:10 P.M.
Did you clean your room in time? Explain.

5. Suppose it is now 7:50 P.M.
How many minutes will it be until 8:15 P.M.?
How do you know?
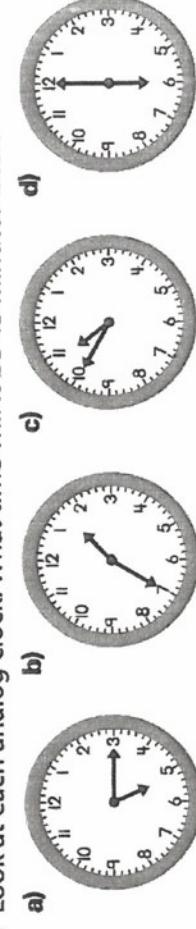
6. A spider took 30 minutes to spin its web.
The spider finished spinning at 11:40 A.M.
At what time did it start?

8. Arlo and Wilfred met at the lake at 2:30 P.M.
Arlo had taken 20 minutes to get to the lake.
Wilfred had taken 25 minutes.
At what time did each boy leave home? How do you know?

9. Look at each analog clock. What time will it be 45 minutes later?

a)   b)   c)   d)

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2) Telling time every 5 min.

1. Write the time shown on each analog clock.
Skip count the minutes if you need to.

a)   b)   c)
d)   e)   f)

2. Write each time two ways. The first one is done for you.

a) 10 after 10
   10:10
b)   c)
d)   e)   f)

4.
   a) Suppose it is 6:20.
   What time will it be in 5 minutes?
   b) Suppose it is 9:00.
   What time will it be in 10 minutes?
   c) Suppose it is 4:55.
   What time will it be in 15 minutes?

5. School starts at 9:00.
   a) Corrina was 5 minutes late.
   Draw a digital clock to show what
   time she arrived.
   b) Sammy was 10 minutes early.
   Draw an analog clock to show what time he arrived.
   Write the time two ways.
   Show your work.

5) Converting seconds, minutes, and hours:

Convert the units of measurement below

240 seconds = _____ minutes	540 seconds = _____ minutes	8 minutes = _____ seconds
7 hours = _____ minutes	120 minutes = _____ hours	4 minutes = _____ seconds
3 hours = _____ minutes	180 minutes = _____ hours	240 minutes = _____ hours