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# Time in Fractional Terms

Convert into hours as a fraction.

a. 150 minutes

b. 66 minutes

c. 3 hours and 15 minutes

d. 5 hours and 20 minutes

e. 200 minutes

f. 280 minutes

g. 9 hours and 25 minutes

h. 400 minutes

Solution:

a. e.

b. f.

c. g.

d. h.

1. It has been reported by the weather channel that the time of sunrise today is 6:05 AM. If the day is $11\frac{2}{3}$ hours long, at what time will the sun set?

Solution:

2. Nova started working the household chores at 7:15 AM and finished her work at 11:30 AM. How long did she work? Write your answer as mixed number representing it in terms of hours.

Solution:

3. Ken reached the basketball court at 7:45 AM. He spent $\frac{3}{5}$ hours to warm up for the game and then took a 3 minutes break. The game lasted for $1\frac{1}{5}$ hours. At what time did the game finish?

Solution:

4. Ryan played Xbox for 2 hours and 15 minutes in the morning. He spent another $4\frac{1}{10}$ hours playing the same thing in the afternoon. How much longer did he play in the afternoon than in the morning? Write your answer as a fraction or a mixed number.

Solution:

5. Alex studied for $3\frac{2}{3}$ hours in her Math lesson. If she finished at 9:50 PM, when did she start studying her lesson?

Solution:

6. Max eat $\frac{1}{4}$ slice of apple for each 45 minutes as part of her dietary plan. If she ate $1\frac{3}{4}$ slices of apple, how long did she take her diet?

A. 5 hours B. $5\frac{1}{4}$ hours C. $5\frac{1}{2}$ hours D. 6 hours

Solution:

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# Time in Fractional Terms

Answer Key

1. Convert into hours as a fraction.
   a. 150 minutes
   b. 66 minutes
   c. 3 hours and 15 minutes
   d. 5 hours and 20 minutes
   e. 200 minutes
   f. 280 minutes
   g. 9 hours and 25 minutes
   h. 400 minutes

Solution:
a. $2\frac{1}{2}$ hours
b. $1\frac{1}{10}$ hours
c. $3\frac{1}{4}$ hours
d. $5\frac{1}{3}$ hours
e. $3\frac{1}{3}$ hours
f. $4\frac{2}{3}$ hours
g. $9\frac{5}{12}$ hours
h. $6\frac{2}{3}$ hours

2. It has been reported by the weather channel that the time of sunrise today is 6:05 AM. If the day is $11\frac{2}{3}$ hours long, at what time will the sun set?

Solution:
5:45 PM

3. Nova started working the household chores at 7:15 AM and finished her work at 11:30 AM. How long did she work? Write your answer as mixed number representing it in terms of hours.

Solution:
$4\frac{1}{4}$ hours

4. Ken reached the basketball court at 7:45 AM. He spent $\frac{3}{5}$ hours to warm up for the game and then took a 3 minutes break. The game lasted for $1\frac{1}{5}$ hours. At what time did the game finish?

Solution:
9:36 AM

5. Ryan played Xbox for 2 hours and 15 minutes in the morning. He spent another $4\frac{1}{10}$ hours playing the same thing in the afternoon. How much longer did he play in the afternoon than in the morning? Write your answer as a fraction or a mixed number.

Solution:
$1\frac{17}{20}$ hours

6. Alex studied for $3\frac{2}{3}$ hours in her Math lesson. If she finished at 9:50 PM, when did she start studying her lesson?

Solution:
6:10 PM

7. Max eat $\frac{1}{4}$ slice of apple for each 45 minutes as part of her dietary plan. If she ate $1\frac{3}{4}$ slices of apple, how long did she take her diet?

   A. 5 hours  B. $5\frac{1}{4}$ hours  C. $5\frac{1}{2}$ hours  D. 6 hours

Solution:
B

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