

Name _____

Date _____

Converting Units of Time

The time scenarios below use different units of time. Use your knowledge of time units to:

- **Identify which units of time are being used**
- **Convert the time units to answer each question.**

Remember to show your working.

1. Mr. Collins arrives at the airport at 1:50pm. His flight leaves at 5:20pm.

How many minutes will he need to wait for his flight.

2. Sally decides to watch all of the Season 1 episodes of her favourite TV show, one after the other!

There are eight 30 minute episodes in the season.

How many hours will her TV marathon take?

3. There are 30 days in September, April, June and November.

What is the total number of days in these four months?

4. There are 4 quarters in a game of netball. Each quarter is 15 minutes long.

How many hours are there in a season of 10 netball games?



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5. Erica earns pocket money by teaching her grandfather to use a tablet.
After 3 months, Erica has earned \$300.

If she keeps helping her grandfather, how much will she earn in 1 year?

6. Nigel's mum is having trouble boiling the perfect egg. She knows that she should cook it for 3 minutes, but her timer is measured in seconds.

How many seconds should Nigel's mum set her timer for?

7. Jin Young went to the market to buy 22 watermelons. At the register, the cashier had to lift and weigh each watermelon separately. This took 30 seconds per watermelon.

How many minutes before the cashier had finished weighing all the melons?

8. Once upon a time there were three little pigs. Each pig built a house. The straw house took 45 minutes to make, the stick house took an hour and the brick house took 75 minutes.

How many hours in total did the pigs work on their houses?



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9. Jane picks apples all day. She earns \$10 per basket of apples. She can fill 3 baskets in an hour.

If she works for 8 hours each day, how much money will she earn in two days?

10. An alien visits from a planet which uses different units of time called 'florbles'.

If one florble is the same as 4 Earth hours, how many florbles are there in an Earth day?

11. In Ancient Egypt, farmers knew that there were four 3 month seasons in a farming year. Months were measured by the moon cycle which was 28 days.

How many days were in one Egyptian summer?

12. Amazing Man can fly so quickly that he can fly to the moon and back in one hour. Mars is 48 times further away than the moon.

How many days would it take Amazing Man to make a return trip to Mars?



Answers

1. 210 Minutes
2. 4 hours
3. 120 days
4. 10 hours
5. \$1200
6. 180 seconds
7. 11 minutes
8. Three hours
9. \$480
10. 6 florbles in one earth day
11. 84 days
12. Two days

