

Unit Conversion Practice

Name: _____

Date: _____

1. Lynn ran a marathon in 3 hours, 9 minutes, and 18 seconds. Amy ran the same marathon in 2 hours, 59 minutes, and 11 seconds. How much more time did it take Lynn than Amy?

- A. 9 minutes and 57 seconds
 B. 10 minutes and 7 seconds
 C. 1 hour, 10 minutes, and 3 seconds
 D. 1 hour, 50 minutes, and 3 seconds

2. An electric fan was turned on for 1 day 2 hours. What is the total number of hours the fan was turned on? (1 day = 24 hours)

- A. 12 hours B. 26 hours
 C. 49 hours D. 72 hours

3. The table below shows the lengths of time Gary and his friends have lived in the same town.

**Lengths of Time
Living in Town**

Friend	Time
Gary	3 months
Crystal	4 days
Lacy	1 year
Aaron	5 weeks

Which length of time is the longest?

- A. 3 months B. 4 days
 C. 1 year D. 5 weeks

4. Massachusetts has 4230 miles of rivers. Which of the following measures is closest to the length, in kilometers, of the rivers in Massachusetts? (1 mile \approx 1.609 kilometers)

- A. 2629 kilometers B. 3804 kilometers
 C. 5839 kilometers D. 6806 kilometers

5. One of the largest statues of a cow in the United States is 38 feet tall. What is the height of the statue in meters, to the nearest tenth of a meter? (1 meter \approx 3.28 feet)

- A. 11.6 meters B. 12.5 meters
 C. 115.9 meters D. 124.6 meters

6. Erin wanted to know which motorcycle went the fastest. The white one could go 181 mph, the red one 289 km/h, the black one 192 mph and the blue one 278 km/h. Which color motorcycle went the fastest?

Use 1 km = 0.62 miles.

- A. Black B. Blue C. Red D. White

7. Marcia spent 300 minutes working on her science project. How many hours did she spend on her science project?

- A. 5 hours B. 6 hours
 C. 25 hours D. 220 hours

8. The distance from Boston, Massachusetts to Princeton, New Jersey is approximately 418 kilometers. What is the approximate distance in miles between Boston and Princeton? (1 mile \approx 1.609 kilometers)

- A. 160 miles B. 260 miles
 C. 500 miles D. 670 miles

9. One cubic inch is approximately equal to 16.38 cubic centimeters. Approximately how many cubic centimeters are there in 3 cubic inches?

- A. 5.46 B. 13.38 C. 19.38 D. 49.14

10. Which length is *closest* in measure to 1 inch?

- A. 1 centimeter B. 1 decimeter
C. 1 meter D. 1 millimeter

11. Darin practiced the clarinet for 90 minutes each day from Monday through Friday. What is the total amount of time Darin practiced the clarinet from Monday through Friday? (1 hour = 60 minutes)

- A. 1 hour 30 minutes B. 4 hours 50 minutes
C. 7 hours 30 minutes D. 7 hours 50 minutes

12. Use the table below to answer the question.

Amount of Time Practicing Piano

Day	Time
Monday	50 minutes
Tuesday	25 minutes
Wednesday	1 hour 5 minutes
Thursday	35 minutes
Friday	55 minutes

The amount of time Samantha practiced piano each day is shown above. What is the best estimate for the amount of time she spent practicing piano this week?

- A. 3 hours B. 4 hours
C. 5 hours D. 6 hours

13. The Old Faithful geyser in Yellowstone National Park erupts approximately every 74 minutes. Based on this information, about how many times does Old Faithful erupt in one 24-hour day? [1 hr = 60 min]

- A. 3 B. 14 C. 20 D. 30

14. Katie bought a gallon of milk. *About* how many liters of milk did she buy?

- A. 4 liters B. 5 liters
C. 6 liters D. 8 liters

15. Mrs. Larson needs 8 gallons of lemonade. The lemonade comes in 2-liter bottles. About how many 2-liter bottles of lemonade does Mrs. Larson need?

- A. 4 bottles B. 8 bottles
C. 16 bottles D. 32 bottles

16. Last week, Belinda practiced the violin for 45 minutes each day for 6 days. What was the total amount of time, in hours, that Belinda practiced the violin last week?

- A. 2.7 B. 4.5 C. 7.5 D. 11.25

17. Wendy jogged for 30 minutes on Friday, 42 minutes on Saturday, and 55 minutes on Sunday. What is the total time she jogged?

- A. 1 hr 12 min B. 1 hr 27 min
C. 2 hr 7 min D. 2 hr 27 min

18. Dory went hiking along the Appalachian Trail in Stokes State Forest. She hiked about 100 meters before realizing she forgot her water bottle. About how many feet had she hiked?

- A. 30 B. 100 C. 300 D. 1,000

19. It took 4 hours and 35 minutes to cook a turkey. It took 1 hour and 18 minutes to cook soup. How much longer did it take to cook the turkey than the soup?

- A. 3 hours 17 minutes B. 3 hours 23 minutes
C. 5 hours 17 minutes D. 5 hours 53 minutes

20. When full, Jerry's backpack weighs 12 kilograms. What is the approximate weight, in pounds, of the full backpack?
- A. 5.5 B. 9.8 C. 14.2 D. 26.4
21. Danny babysat for 5 hours yesterday. For how many seconds did Danny babysit yesterday?
- A. 300 B. 3,600
C. 7,200 D. 18,000
22. Susan's lunchbox weighs about 1 pound. About how much does Susan's lunchbox weigh in kilograms?
- A. $\frac{1}{2}$ kilogram B. 1 kilogram
C. 2 kilograms D. 4 kilograms
23. Marco is practicing for track and field day. If he practices for 360 minutes, what would you do to find out how many *hours* Marco practiced?
- A. Add 60 to the total number of minutes.
B. Subtract 60 from the total number of minutes.
C. Multiply the total number of minutes by 60.
D. Divide the total number of minutes by 60.
24. Jacob lives 5 miles from school. **About** how many kilometers is 5 miles?
- A. 1 kilometer B. 8 kilometers
C. 50 kilometers
25. A movie is 2 hours and 28 minutes long. How many minutes long is the movie?
- A. 88 minutes B. 120 minutes
C. 148 minutes D. 228 minutes
26. A stack of books weighs 3.5 kilograms. *About* how many pounds is this? (One pound is about 0.45 kilograms.)
- A. 9 B. 8 C. 6
27. Which has a mass closest to 1 kilogram?
- A. 1 ton of bricks
B. 1 ounce of salt
C. 1 gallon of milk
D. 1 pound of potatoes
28. On Megan's trip to her grandmother's, she spent 35 minutes on the airplane from Charlotte to Washington, D.C.; 1 hour and 15 minutes from Washington to New York; and 45 minutes from New York to Boston. If she is planning a round trip, how long can she count on being on an airplane?
- A. 5 hr 10 min B. 4 hr 10 min
C. 2 hr 35 min D. 2 hr 10 min
29. On Monday, it took Aliza 30 minutes to do her homework and 45 minutes to do her chores. What was the total amount of time Aliza spent doing homework and chores on Monday?
- A. 1 hour B. 1 hour 15 minutes
C. 1 hour 30 minutes D. 1 hour 45 minutes
30. Josh is practicing for a 200-meter race. Approximately how many feet is 200 meters?
- A. 61 B. 66 C. 203 D. 656
31. Enis made several long-distance calls this month. His phone bill showed that his total talk time was 4 hours and 6 minutes. What was Enis's total talk time in **seconds**?
- A. 246 seconds B. 14,406 seconds
C. 14,760 seconds D. 16,560 seconds

32. Juanita exercised for one hour. How many seconds did Juanita exercise?

- A. 60 B. 120 C. 360 D. 3,600

33. Bob cooks a turkey for 4 hours 35 minutes.

Bob cooks soup for 1 hour 20 minutes.

How much longer does Bob cook the turkey than the soup?

- A. 3 hours 15 minutes B. 3 hours 25 minutes
C. 5 hours 15 minutes D. 5 hours 55 minutes

34. A movie is 115 minutes long. Which statement about this movie is true?



- A. The movie is less than 2 hours long.
B. The movie is exactly 2 hours long.
C. The movie is more than 2 hours long.

35. Evan has a summer job to pick berries on a farm.

- He earns \$2.00 every 15 minutes that he picks strawberries.
- He earns \$2.40 for every 15 minutes that he picks blueberries.
- He picked strawberries for an hour and blueberries for 45 minutes.

How much money did Evan earn?

- A. \$4.40 B. \$8.80
C. \$15.20 D. \$26.40