Your name:

**Test Practice Questions, Ch. 7**

The test lasts half an hour. Show your work. You may not use a calculator. The real test will not have this many questions.

1. How many cups are in a quart? 2. How many ounces are in a cup?

3. How many teaspoons are in an ounce? 4. How many teaspoons are in a tablespoon?

5. How many feet are in a mile? 6. How many pints are in a quart?

7. How many feet are in a yard? 8. How many mm are in a cm?

9. How many cm are in a meter? 10. What is the name for one thousandth of a millimeter?

11. What is the abbreviation for 1 thousandth of a millimeter?

12. What is the name for 1/1000 of a microliter? 13. What is the name for 1,000 meters?

14. How much does 1 cubic centimeter of water weigh? 15. How many pounds are in a ton?

16. How long is 1 km in miles? \_.\_ 17. How many feet are in 1 meter? \_

18. How many milliliters are in a liter? 19. How many liters are in one quart? \_

20. How many pounds are in 1 kilogram? \_

21. What is a temperature of 30 degrees Celsius in Fahrenheit?

22. What is a temperature of 12 Fahrenheit, in Celsius?

23. George has produced 20 gallons of special blue paint, half of which he plans to sell in pint cans and half in quart cans. How many of each kind of can does he need?

24. If a bug is .2cm long, how many meters long is it?

For the questions below, you can use the rough approximations I told you to memorize.

25. Mrs. Smith is serving two 16lb turkeys to 30 people. Approximately how many grams is that per person?

26. Each glass of punch at a wedding holds 180ml, and there will be 150 guests. How many ounces are in each glass?

27. Each glass of punch at a wedding holds 180ml, and there will be 150 guests. How many liters of punch must be prepared if they each get one glass?

 28. The fastest nerve signals in the human body travel 120 meters per second. How many feet per second do they travel?

29. (2 points) A 400g bar of English Cadbury’s chocolate costs $12.00, while a 7-ounce Hershey bar costs $4.00. Which is more expensive, and by how much per ounce?

**Practice Test Answers, Ch. 7**

The test lasts half an hour. Show your work. You may not use a calculator.

1. How many cups are in a quart? 4 cups 2. How many ounces are in a cup? 8oz

3. How many teaspoons are in an ounce? 6 tsp 4. How many teaspoons are in a tablespoon? 3 teaspoons.

5. How many feet are in a mile? 5,280ft 6. How many pints are in a quart? 2 pints

7. How many feet are in a yard? 3ft 8. How many mm are in a cm? 10mm

9. How many cm are in a meter? 100cm 10. What is the name for one thousandth of a millimeter? A micron.

11. What is the abbreviation for 1 thousandth of a millimeter? μm

12. What is the name for 1/1000 of a microliter? A nanoliter. 13. What is the name for 1,000 meters? A kilometer.

14. How much does 1 cubic centimeter of water weigh? 1 gram. 15. How many pounds are in a ton? 2,000lbs

16. How long is 1 km in miles? 0.6 miles 17. How many feet are in 1 meter? 3ft

18. How many milliliters are in a liter? 1000ml 19. How many liters are in one quart? 1 liter

20. How many pounds are in 1 kilogram? 2 pounds

21. What is a temperature of 30 degrees Celsius in Fahrenheit?

 30\*(9/5) + 32 = 270/5 + 32 = 54 + 32 = 86 degrees Fahrenheit.

22. What is a temperature of 12 Fahrenheit, in Celsius?

(5/9) (12-32) = -11 degrees C.

23. George has produced 20 gallons of special blue paint, half of which he plans to sell in pint cans and half in quart cans. How many of each kind of can does he need?

The 10 gallons in quart cans will need 40 quart cans. The 10 gallons in pint cans will need twice as many cans, 80 pint cans.

24. If a bug is .2cm long, how many meters long is it?

0.002m

For the questions below, you can use the rough approximations I told you to memorize.

25. Mrs. Smith is serving two 16lb turkeys to 30 people. Approximately how many grams is that per person?

2x16 = 32lb is about 16 kilograms. Dividing that by 30, we get 533 grams per person.

26. Each glass of punch at a wedding holds 180ml, and there will be 150 guests. How many ounces are in each glass?

 180ml is .18L, which is about 0.18qt. Each quart has 32oz, so that is 32\*.18 = 5.76 ounces.

27. Each glass of punch at a wedding holds 180ml, and there will be 150 guests. How many liters of punch must be prepared if they each get one glass?

 180ml is .18L, so we need 150\*.18 = 27.00 liters.

 28. The fastest nerve signals in the human body travel 120 meters per second. How many feet per second do they travel?

 120 meters is about 360 feet, so the answer is that the nerve signals travel 360 feet per second.

29. (2 points) A 400g bar of English Cadbury’s chocolate costs $12.00, while a 7-ounce Hershey bar costs $4.00. Which is more expensive, and by how much per ounce?

 The Hershey bar is $4.00/7oz = $0.57/oz. The Cadbury’s bar is $12.00/0.4kg, which is about $12.00/0.8 lb., which is $15.00/lb or $15.00/16oz = $0.94/ounce. Cadbury’s is more expensive by 37 cents per ounce.