# Arrange, Add, Subtract – Decimal Review

1. Melissa bought 2.6 pounds of beef, .9 pounds of cheese, 3 pounds of chicken, and 2.35 pounds of fish. How much **total** weight did she have?

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2. Find the **total** weight of three books that weigh 4 kilograms, 2.37 kilograms, and .45 kilograms.
   ① 1.92 kilograms
   ② 2.82 kilograms
   ③ 2.84 kilograms
   ④ 6.82 kilograms
   ⑤ 6.92 kilograms

3. The average German man lives for about 67.4 years. The average German woman lives for about 79.2 years. How much **longer** do women live?
   ① 1.8 years
   ② 10.8 years
   ③ 11.8 years
   ④ 146.6 years
   ⑤ 156.6 years

4. The average monthly rainfall in Colorado Springs is the following.
   June       2.96 inches
   July       3.69 inches
   August     4 inches
   What is the **total** rainfall for these three months?

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5. Thursday Jackson drove 278.5 miles; Friday he drove 243 miles; Saturday he drove 386 miles; Sunday he drove 291.8 miles. What **total** distance did he drive those four days?
   ① 199.3 miles
   ② 1099.3 miles
   ③ 1199.3 miles
   ④ 1299.3 miles
   ⑤ 1399.3 miles

6. In 1970 there were 792 people for every square mile in Puerto Rico. In 1960 there were 686.4 people for every square mile. Find the **increase** in the population for every square mile in Puerto Rico from 1960 to 1970.
   ① 105.4
   ② 105.6
   ③ 106.4
   ④ 109.5
   ⑤ 110.5

7.  In 1970 there were 204.9 million people in the United States.  5 million **more** people moved in by 1973.  How many **total** people lived in the United States by 1973?
    ①    205.9
    ②    206.9
    ③    209.9
    ④    219.9
    ⑤    220.9

8.  From a board that was 3 meters long, Alan cut off a piece 1.67 meters long.  How long was the piece he **had left**?
    ①    1.33 meters
    ②    1.69 meters
    ③    1.79 meters
    ④    4.67 meters
    ⑤    5.67 meters

9.  John welded together pieces of pipe that were 2.5 inches long, 19.8 inches long, and 31 inches long.  How long was the pipe made of the **three welded parts**?
    ①    10.8 inches
    ②     53.3 inches
    ③    53.5 inches
    ④    75.8 inches
    ⑤    76.8 inches

10. The distance from La Junta to Pueblo is  62.6 miles.  The distance from Pueblo to Colorado Springs is 48 miles.  What is the **total** distance from La Junta to Colorado Springs by driving through Pueblo?
    ①    14.6 miles
    ②     110.6 miles
    ③    111.6 miles
    ④    121.6 miles
    ⑤    122.6 miles

11. If the price of a gallon of gasoline rose from 68.4 cents to 71 cents, how much did the price **rise**?
    ①    2.6 cents
    ②    3.4 cents
    ③    61.3 cents
    ④    75.5 cents
    ⑤    76.6 cents

12. Fred used Interstate 25 when he left on his vacation, which was a drive of 85.6 miles.  Highway 96 was a drive of 94 miles. What is the **difference *in miles*** between driving on Interstate 25 and Highway 96?
    ①    8.4 miles
    ②    9.4 miles
    ③    11.4 miles
    ④    11.6 miles
    ⑤    12.6 miles

13. The metal platform of the Manzanola Bridge that is 124 meters long in the summer shrinks by 1.5 centimeters in the winter.  How long is the Manzanola Bridge platform in the winter?
    ①    122.5 centimeters
    ②    123.5 centimeters
    ③    129.5 centimeters
    ④    139.5 centimeters
    ⑤    140 centimeters

14. When Sam and Lori began driving on Monday morning, their mileage gauge read 16,428.7 miles.  When they stopped driving Monday night, it read 16,831 miles.  How many miles did they drive that day?
    ①    402.3 miles
    ②    402.7 miles
    ③    403.3 miles
    ④    403.7 miles
    ⑤    403.8 miles

15. In 1975 there were 93.7 million telephones in use in the Mexico. In 1980 there were 120 million phones.  What was the **increase in the number of telephones** in use from 1965 to 1970?
    ①    2.63 million
    ②    26.3 million
    ③    263 million
    ④    123.7 million
    ⑤    124.7 million

16. Pauline had $96.  How much did she **have left** after she spent $38.56 at the grocery store and $19 at the hardware store?
    ①    $38.44
    ②    $57.25
    ③    $57.56
    ④    $153.56
    ⑤    $154.56

17. Max's normal temperature is 98.6°. While he had a fever, his temperature went up 4°. How high was Max's temperature?

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18. Larry got 18.2 per gallon using regular gasoline. After switching to gasohol, his mileage improved to 21 miles per gallon. How much did his mileage improve?
    ① 1.15 miles per gallon
    ② 2.8 miles per gallon
    ③ 4.13 miles per gallon
    ④ 29 miles per gallon
    ⑤ 41.3 miles per gallon

19. Before Hanna cooked the hamburger, it weighed .25 of a pound. After it was cooked, the hamburger weighed .18 of a pound. How much fat **burned off** during cooking?
    ① 7 pound
    ② .7 pound
    ③ .07 pound
    ④ 70 pounds
    ⑤ 80 pounds

20. Tylenol pain reliever contains .37 gram of pain reliever per 1.5 gram tablet. Equate pain reliever contains .5 gram of pain reliever per 1.5 gram tablet. **How much more** *pain reliever* does Equate have than Tylenol?
    ① .13 gram of pain reliever
    ② .27 gram of pain reliever
    ③ .41 gram of pain reliever
    ④ .51 gram of pain reliever
    ⑤ 2.57 grams of pain reliever

21. Joe bought a window shade that was 26.75 inches wide. When he got home, he realized that it was 2 inches too narrow. What size window shade should he buy?
    ① 24 inches
    ② 24.25 inches
    ③ 28 inches
    ④ 28.75 inches
    ⑤ 29.1 inches

22. Last winter, Georgia used .2 cords of wood in February and .15 cords of wood in March to heat her house. How much **total** wood did she use?
    ① .05 of a cord
    ② .17 of a cord
    ③ .3 of a cord
    ④ .35 of a cord
    ⑤ .37 of a cord

23. A glass of water lost .5 of its moisture in an hour. Eight hours later it lost another .43 of its moisture. What was the **total** loss in moisture for the entire time?
    ① .07
    ② .93
    ③ 9.3
    ④ 93
    ⑤ 101.3

24. A gallon of Behr paint contains 3.4 ounces of pigment per gallon. The Ace paint contains 5.15 ounces ofpigment per gallon. What is the **difference** between the amount of pigment in the Behr and the Ace paint?
    ① 1.75
    ② 2.35
    ③ 4.81
    ④ 5.29
    ⑤ 8.55

25. The Rocky Mountain Timber Company leased 420 thousand acres of land in 1992. It leased 96.5 acres in 1993. It leased 123.4 acres in 1994. **How much larger** was the 1992 leasing than the 1993 leasing?
    ① 200.04 acres
    ② 296.54 acres
    ③ 323.5 acres
    ④ 516.5 acres
    ⑤ 639.96 acres

26. The Rocky Mountain Timber Company leased 420 thousand acres of land in 1992. It leased 96.5 acres in 1993. It leased 123.4 acres in 1994. What was the **total** amount of acres leased?
    ① 200.04 acres
    ② 296.54 acres
    ③ 323.5 acres
    ④ 516.5 acres
    ⑤ 639.9 acres

27. Nancy Hernandez, a Santa Fe artist, mixed .75 ounce of yellow paint with .33 ounce of blue paint to make green paint. How much green paint did she make?
    ① .108 ounces
    ② .42 ounces
    ③ 1.08 ounces
    ④ 10.8 ounces
    ⑤ 11.8 ounces

28. A Yellow Spotted Cricket weighed 2.77 grams. It **gained** .03 of a gram. How much did the Yellow Spotted Cricket weigh after its weight gain?
    ① 2.08 grams
    ② 2.74 grams
    ③ 2.8 grams
    ④ 3.1 grams
    ⑤ 4.1 grams

29. Sarah has $523 in her checking account. How much did she **have left** after she wrote checks for $17.87 and $18.65?
    ① $486.48
    ② $559.98
    ③ $568.96
    ④ $586.84
    ⑤ $650.94

30. Arrange ABCDE from **least to greatest**.

    | A | 3 |
    |---|---|
    | B | .94 |
    | C | 1.3 |
    | D | .03 |
    | E | 9 |

    ① DCBAE
    ② CEDAB
    ③ BADCE
    ④ ECDAB
    ⑤ DBCAE

31. Arrange these ABCDE from **greatest to least**.

    | A | .12 |
    |---|---|
    | B | 4 |
    | C | .43 |
    | D | .04 |
    | E | 1.2 |

    ① BEDCA
    ② BADCE
    ③ BECAD
    ④ BEACD
    ⑤ BAECD

32. Mrs. Montoya had $240. She paid her electric bill of $176.60 and phone bill of $46. How much does Mrs. Montoya **have left**?
    ① $12.15
    ② $17.00
    ③ $17.40
    ④ $19.50
    ⑤ $23.21

33. Marlene owes $10.26 for the plants she was buying at the nursery. She gave the clerk $11. **How much change** did Marlene receive?

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