**6.8(A)**

4. Choose the best estimate for the width of this butterfly.



|  |  |
| --- | --- |
| A | 6 millimeters |
| B | 6 centimeters |
| C | 60 centimeters |
| D | 6 meters |

Answer: B

The middle school classes at Travis Middle School were collecting pennies to raise money for the Pennies for Patients program. The pennies were weighed as the advisory classes turned them in. The table shows the amount collected by each class.

|  |  |
| --- | --- |
| **Advisory Class** | **Weight of**  **Pennies Collected** |
| Mr. Villa | 3 lb. 6 oz. |
| Ms. De la Garza | 2 ⅞ lb. |
| Mr. Navarez | 6 lb. |
| Ms. Vasquez | 4 lb.10 oz. |

5. Which is the best estimate of the weight of pennies collected by all of the middle school advisory classes?

|  |  |
| --- | --- |
| A | 14 pounds |
| B | 17 pounds |
| C | 20 pounds |
| D | 23 pounds |

Answer: B

Which of these is a reasonable measure for the capacity of a large bathtub?

|  |  |
| --- | --- |
| A | 2 gal |
| B | 20 gal |
| C | 200 gal |
| D | 2000 gal |

Answer: B

What is a reasonable estimate of the temperature on a winter day in Anchorage, Alaska?

|  |  |
| --- | --- |
| A | 5o F |
| B | 50o F |
| C | 20o C |
| D | 50o C |

Answer: A

Choose the best estimate for the distance around a small neighborhood park.

|  |  |
| --- | --- |
| A | 3 km |
| B | 30 km |
| C | 40 cm |
| D | 400 cm |

Answer: A

The temperature was 47o F at 9 A.M. and 68o F at 3 P.M. The temperature decreased by about 4o F per hour after 3 P.M. What was the temperature at 6 P.M.?

|  |  |
| --- | --- |
| A | 0o F |
| B | 9o F |
| C | 56o F |
| D | 64o F |

Answer: C

**6.8(B)**

10. At noon the temperature was 3˚ F. By sunset the temperature had dropped 9˚. What was the temperature at sunset?

|  |  |
| --- | --- |
| A | -12o F |
| B | -6˚ F |
| C | 6˚ F |
| D | 12˚ F |

Answer: B

**6.8(D)**

11. Timothy competed in a running race that is .75 km long. What is the distance he ran in meters?

|  |  |
| --- | --- |
| A | 7.5 m |
| B | 75 m |
| C | 750 m |
| D | 7,500 m |

Answer: C

Paula is making candles by filling jars with hot wax. Each jar holds 400 grams. How many kilograms of wax does she need to fill 10 jars?

|  |  |
| --- | --- |
| A | .4 kg |
| B | 4 kg |
| C | 40 kg |
| D | 400 kg |

Answer: B

The length of a path down to the lake is 15 yd 2 ft. What is the length of the path in feet?

|  |  |
| --- | --- |
| A | 17 ft. |
| B | 45 ft. |
| C | 47 ft. |
| D | 51 ft. |

Answer: C

How can you convert 4.5 meters to centimeters?

|  |  |
| --- | --- |
| A | Multiply 4.5 by 100 |
| B | Multiply 4.5 by 1000 |
| C | Divide 4.5 by 100 |
| D | Divide 4.5 by 1000 |

Answer: A

Katy is buying supplies for a party. Her punch glasses each hold 350 mL. She needs enough punch for 40 glasses. If 1 liter of punch costs $2.00, how much will it cost for the punch?

|  |  |
| --- | --- |
| A | $10 |
| B | $18 |
| C | $20 |
| D | $28 |

Answer: D

Sam bought a rug that is 5 ft. wide and 8 ft. long. She put 6-inch fringe on the two

5-ft edges. How long is the rug, including the fringe?

|  |  |
| --- | --- |
| A | 5 ft. |
| B | 6 ft. |
| C | 8 ft. |
| D | 9 ft. |

Answer: D

**6.11(A)**

The table below shows the number of calories in one serving of some beverages.

|  |  |
| --- | --- |
| Beverage | Calories |
| Can of Soda | 250 |
| Cup of Milk | 165 |
| Cup of Tea | 150 |

17. How many calories would you consume if you drank a cup of milk and ½ a can of soda?

|  |  |
| --- | --- |
| A | 565 calories |
| B | 415 calories |
| C | 290 calories |
| D | 125 calories |

Answer: C

**6.11(B)**

18. Paul had a full roll of cable wire. He used 8 yards for a project. Which of these can be found from this information?

|  |  |
| --- | --- |
| A | Amount of wire left |
| B | Cost of wire used |
| C | Inches of wire used |
| D | Size of original roll of wire |

Answer: C

**6.11(D)**

19. Lauren is replacing the fence around her pigpen that is 10.5 yards by 30 ft. What does she need to do with this information before buying the fencing materials?

|  |  |
| --- | --- |
| A | Change measurements to same units and compute the exact perimeter |
| B | Find the height of the fence |
| C | Estimate the area’s square feet |
| D | Compute the area to the nearest square foot |

Answer: A

**Free response problems**

20. Complete each of the following conversion statements.

a. 64 oz = \_\_\_\_\_ lbs b. 250 cm = \_\_\_\_\_\_ m

c. 750 min = \_\_\_\_\_\_ hr d. 6 hr = \_\_\_\_ sec

e. 18 pt = \_\_\_\_\_ qt f. 3.6 kg = \_\_\_\_\_\_ g

g. 82 pt = \_\_\_\_\_ gal h. 17 gal = \_\_\_\_ qt

i. 7040 mm = \_\_\_\_\_ m j. 432 g = \_\_\_\_ kg

k. 1000 sec = \_\_\_\_\_ min l. 4 tons = \_\_\_\_\_ lbs

Answers:

a. 4 b. 2.5 c. 12.5 d. 21600 e. 9 f.3600 g. 10.25 h. 68 i. 7.04 j. 0.432

k. 16 2/3 l. 8000

21. What is the time 80 minutes after 3:56 am? Show your steps.

Answer:

5:16 am

22. Mr. Jobes left his home at 7:13 am and arrived at his office at 8:04 am. How many minutes did the trip require?

Answer:

51 min.

23. Miss Hill’s plane landed at 1:23 pm. If it took off that morning at 8:47 am, how long was the flight, expressed in hours and minutes?

Answer:

4 hrs. 36 min

24. Bill bought 18 ounces of candy, James bought 4 1/2 pounds, and Jill bought 22 ounces. What was the total weight of the candy they bought?

Answer:

7 lbs or 112 oz