Level M - Form 1 - Applied Mathematics: Estimation

Gary spent $15.15 for a shirt and $40.85 for a jacket. About how much did he spend in all?

 A $53.00

 B $54.00

 C $55.00

 D $56.00

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Here is an advertisement for a kitchen store. Use the ad to do Numbers 1 through 5.

KitchensPlus

Saturday and Sunday Only!

Ceramic Mixing Bowl	$22.65
Hand Mixer	$15.95
Serving Platter	$43.85
Marble Rolling Pin	$18.48
Pastry Bag	$5.45
Cookie Cutters	$1.20 each
Steak Knives	$15.95 for a 4-piece set
4-inch Cake Pan	$4.39
8-inch Cake Pan	$6.78
Cookie Sheet	$17.32
Freshly Ground Coffee	$6.80 per pound

1. Clark bought a cookie sheet, a hand mixer, and a pastry bag. Which number sentence should he use to estimate, to the nearest dollar, how much money he spent?

   A $17.00 + $15.00 + $5.00 = ☐

   B $17.00 + $15.00 + $6.00 = ☐

   C $18.00 + $16.00 + $6.00 = ☐

   D $17.00 + $16.00 + $5.00 = ☐

2. About how much would it cost to buy three sets of steak knives?

   F $12.00

   G $45.00

   H $48.00

   J $60.00

3. Yvette buys two pounds of coffee and pays with a $20.00 bill. About how much change should she receive?

   A $6.00

   B $8.00

   C $14.00

   D $13.00

4. Which would be a good estimate for the sale price of a six-inch cake pan?

   F $4.50

   G $6.50

   H $7.00

   J $5.50

5. What is the price of the marble rolling pin rounded to the nearest dollar?

   A $18.00

   B $18.50

   C $19.00

   D $20.00

6. Which decimal when rounded to the nearest whole number is 78?

    F 77.46

    G 77.73

    H 78.85

    J 78.62

7. The Martinez family drove 248 miles to the beach. The trip used 12 gallons of gas. Which of these is the best estimate of their gas mileage?

    A 20 miles per gallon

    B 30 miles per gallon

    C 12 miles per gallon

    D 24 miles per gallon

8. Ron spent $12.50 for a CD and $75.25 for a CD player. He paid $5.28 tax. About how much did he spend in all?

    F $95.00

    G $93.00

    H $100.00

    J $88.00

9. An amusement park sells various passes for the park. Which of these is the best estimate of the price of a 2-day pass?

PRICE: $25.65
1 DAY PASS
AMUSEMENT PARK

PRICE: $46.95
3 DAY PASS
AMUSEMENT PARK

    A $25.00

    B $30.00

    C $35.00

    D $50.00

10. Maria earned $129.75 for altering a dress. She worked for $5\frac{1}{3}$ hours. Which number sentence gives the best estimate for how much she earned per hour?

    F $129 ÷ 5 = ☐
    G $129 ÷ 6 = ☐
    H $130 ÷ 5 = ☐
    J $130 ÷ 6 = ☐

11. A convenience store sells three different sizes of fountain drinks. A small drink is 12 ounces and a large drink is 32 ounces. Which is the best estimate of the size of a medium drink?

    A 16 ounces
    B 20 ounces
    C 28 ounces
    D 30 ounces

12. At a flea market, a plate sold for $0.55, a table sold for $15.78, and a rug sold for $6.34. By rounding to the nearest dime, what numbers would you use to estimate the cost of the three items?

    F $0.60, $15.80, $6.30
    G $0.60, $16.00, $6.00
    H $0.50, $15.80, $6.30
    J $0.50, $15.70, $6.00

13. Which of these when rounded to the nearest dollar is $16.00?

    A $16.88
    B $16.53
    C $15.71
    D $15.48

14. Dee had her adult cat weighed at the vet. Which of these is the best estimate of the weight of her cat?

    F 1 pound
    G 10 pounds
    H 100 pounds
    J 1,000 pounds

15. Tamara worked 168 hours this month. At this rate, about how many hours will she work in one year?

    A 1,600 hours
    B 2,400 hours
    C 3,000 hours
    D 4,200 hours

16. A 4-pound bunch of bananas sells for $1.56. About how much do the bananas cost per pound?

    F 30¢
    G 40¢
    H 50¢
    J 60¢

17. Victor is remodeling his bathroom. He ordered a new standard size bathtub. Which of these is the best estimate for the capacity of the bathtub?

    A 4,000 gallons

    B 400 gallons

    C 40 gallons

    D 4 gallons

18. Kim earns an average of $72.30 a night tending bar. At this rate, about how much will she earn in 3 nights?

    F $250.00

    G $150.00

    H $300.00

    J $210.00

19. Brenda needs to buy paper for her printer. Paper is sold in packs of 100, 200, 500, and 1,000 sheets. Which of these is the best guess of the price of a pack of 500 sheets of paper?

Paper Prices	
100 count	$1.39
200 count	$2.56
1,000 count	$12.49

    A $3.25

    B $6.25

    C $5.00

    D $7.75

20. Which of these when rounded to the nearest hundred is 45,000?

    F 45,392

    G 44,891

    H 45,927

    J 44,953