

Level E - Form 1 - Applied Mathematics: Estimation

Sample Question

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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Flora sells dried flower baskets in these sizes:

Small \$5.95

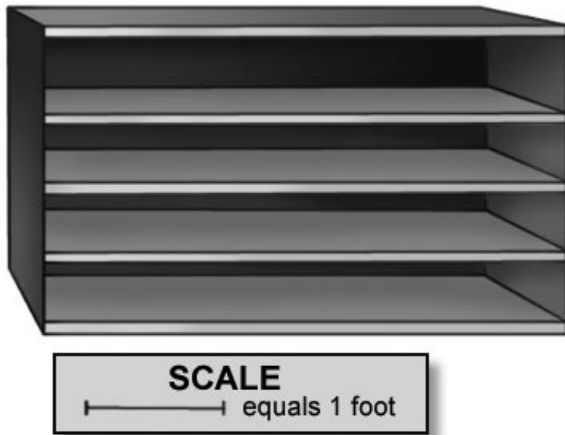
Large \$9.25

Use this information to do Numbers 1 through 5.

1. Each small flower basket holds six to eight stalks of lavender. About how many stalks of lavender will Flora need for 150 baskets?
A 150
B 600
C 1,000
D 1,600
2. If a hotel manager has ordered 150 small baskets for a wedding, about how much will the total bill be?
F \$1,500
G \$1,350
H \$750
J \$900
3. How many large flower baskets can be bought for \$30?
A 2
B 3
C 4
D 5

4. It takes Flora about nine minutes to arrange five small flower baskets. About how many baskets can she arrange in one hour?
F 40
G 50
H 30
J 25
5. Flora is thinking of selling a medium-sized dried flower basket. Which of these would probably be the best price to ask for a medium-sized basket?
A \$7.50
B \$6.50
C \$8.75
D \$9.00

Ian is building a shoe rack. This diagram shows what it will look like. Study the diagram. Then do Numbers 6 through 10.



6. About how tall will the shoe rack be?
- F $4\frac{1}{4}$ feet
 - G $3\frac{1}{4}$ feet
 - H $2\frac{1}{4}$ feet
 - J $1\frac{1}{4}$ feet
7. About how wide will the shoe rack be?
- A 7 feet
 - B 6 feet
 - C 5 feet
 - D 4 feet
8. Each shelf will hold 6 to 10 pairs of shoes. About how many pairs of shoes will the four shelves hold?
- F 24
 - G 32
 - H 40
 - J 64
9. It took Ian 3 hours and 5 minutes to build this shoe rack. About how long would it take to build five shoe racks?
- A 8 hours
 - B 15 hours
 - C 20 hours
 - D 24 hours
10. Ian spent \$22.35 on the materials for the shoe rack. He wants to charge about twice as much to sell it. About how much should Ian charge?
- F \$55.00
 - G \$60.00
 - H \$45.00
 - J \$35.00

Yolanda is sewing curtains for this window. The fabric she is using costs \$9.75 per yard. Study the diagram. Then do Numbers 11 through 15.



11. About how tall is this window?
- A 10 feet
 - B 4 feet
 - C $8\frac{3}{4}$ feet
 - D $5\frac{1}{2}$ feet
12. Yolanda has \$40.00. How many yards of fabric can she buy?
- F 4 yards
 - G 5 yards
 - H 6 yards
 - J 8 yards
13. Yolanda also buys shades for her windows. They cost \$7.85 each, and she has seven windows. About how much will she spend on shades?
- A \$65.00
 - B \$45.00
 - C \$50.00
 - D \$55.00
14. Yolanda needs a 4-foot curtain rod. She knows that a 2-foot rod costs \$3.29 and a 6-foot rod costs \$8.79. Which of these is the best guess for what the 4-foot rod will cost?
- F \$3.75
 - G \$5.95
 - H \$7.50
 - J \$8.15
15. Experts say that curtains should be between two and three times as wide as the window. The extra fabric makes the curtains look full. About how much fabric will Yolanda need to make full-looking curtains?
- A $1\frac{1}{2}$ yards
 - B $3\frac{1}{2}$ yards
 - C 4 yards
 - D 5 yards

This advertisement is for a kitchen store. Study the ad. Then do Numbers 16 through 20.

**CHEF'S PANTRY
SPRING CLEARANCE**

Saturday and Sunday only!

Ceramic Mixing Bowl	\$22.50
Hand Mixer	\$12.95
Serving Platter	\$42.85
Marble Rolling Pin	\$18.19
Pastry Bag	\$5.45
Cookie Cutters	\$1.10 each
Wagner Steak Knives	\$15.95 4-piece set
4-inch Cake Pan	\$4.10
8-inch Cake Pan	\$6.50

16. About how much would it cost to buy a serving platter and a rolling pin?
- F \$43.00
 - G \$55.00
 - H \$51.00
 - J \$61.00
17. Which is the most reasonable estimate for the cost of each steak knife?
- A \$3.50
 - B \$3.00
 - C \$4.00
 - D \$4.50
18. Which shows the total cost of a hand mixer, a pastry bag, and a 4-inch cake pan, rounded to the nearest dollar?
- F \$22.00
 - G \$18.00
 - H \$21.00
 - J \$24.00
19. Tran buys three cookie cutters. He pays with a \$10.00 bill. Which is the best estimate for the amount of change he should get back?
- A \$7.00
 - B \$6.00
 - C \$5.50
 - D \$8.50
20. Which is the best estimate for the sale price of a 6-inch cake pan?
- F \$4.45
 - G \$6.30
 - H \$5.15
 - J \$4.75