



**DIRECTIONS FOR QUESTIONS 1 THROUGH 3: Read each question. Circle the letter of the answer you choose. You may use a calculator for these questions.**

Sam kept a record of the number of skateboards he sold at Sam's Skateboards. Use his data to answer questions 1 and 2.

**Skateboard Sales**

Skateboard Brand	Sales
Fast Freddie	42
Lucky Lou	46
Cool Carl	35
Rolling Rick	27

**1** What is the probability that the next skateboard Sam sells will be a Fast Freddie?

- A.  $\frac{23}{75}$   
 B.  $\frac{7}{25}$   
 C.  $\frac{7}{30}$   
 D.  $\frac{9}{50}$

**2** If Sam orders 300 new skateboards, how many Lucky Lou skateboards should he order?



**NJ ASK Tip**

**Probability** You can use a proportion.

- A. 46  
 B. 92  
 C. 104  
 D. 208

**3** From her experimental data, Anita predicted that  $\frac{1}{4}$  of the shapes in a box were squares. Which chart shows Anita's experimental data?

**A.**

Shape	Number
Square	25
Circle	45
Triangle	25
Diamond	25

**B.**

Shape	Number
Square	18
Circle	42
Triangle	37
Diamond	23

**C.**

Shape	Number
Square	40
Circle	23
Triangle	20
Diamond	37

**D.**

Shape	Number
Square	30
Circle	45
Triangle	15
Diamond	30

**DIRECTIONS FOR QUESTION 4: Read the question. Enter your answer on the blank line. You may NOT use a calculator.**

**4** Twelve of the 30 chocolates in a box of Mandy's Chocolates are milk chocolate. Using this data, how many of the chocolates in a 50-piece box can you predict will be milk chocolate?

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