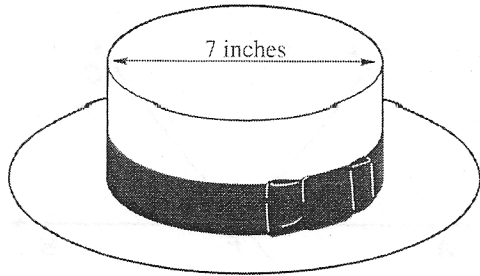


- 60** The top part of this hat is shaped like a cylinder with a diameter of 7 inches.



Which measure is *closest* to the length of the band that goes around the outside of the hat?

- A 10.1 inches
- B 11.0 inches
- C 22.0 inches
- D 38.5 inches

CSM00268

- 61** A dime has a radius of about 0.85 cm. Which measurement is closest to the circumference of a dime?

- A 1.33 cm
- B 1.70 cm
- C 2.67 cm
- D 5.34 cm

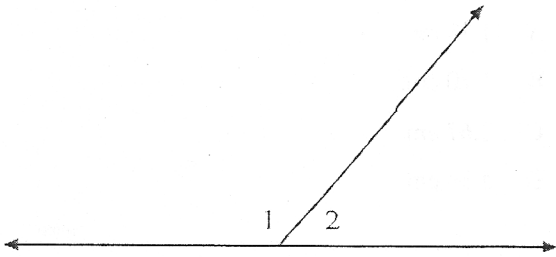
CSM10981

- 62** A tank is in the shape of a triangular prism. If the triangular base has an area of 116 square feet, and the tank is 30 feet tall, how much water would the tank contain when it is full?

- A 1725 ft³
- B 1740 ft³
- C 3480 ft³
- D 6960 ft³

CSM20796

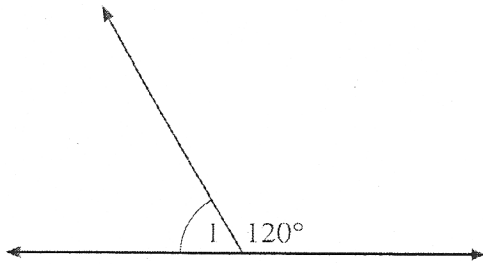
- 63 Which is a true statement about angles 1 and 2 shown below?



- A $\angle 1$ is complementary to $\angle 2$.
- B $\angle 1$ is supplementary to $\angle 2$.
- C Both angles are obtuse.
- D Both angles are acute.

CSM102081

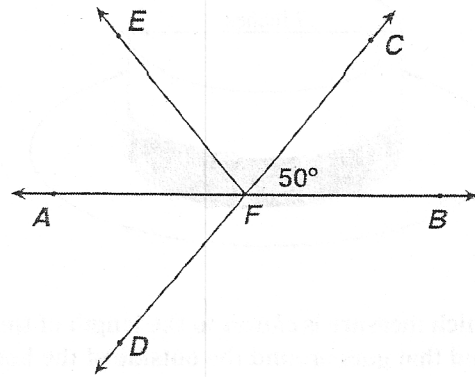
- 64 What is the measure of angle 1 in the figure below?



- A 30°
- B 40°
- C 60°
- D 80°

CSM102087

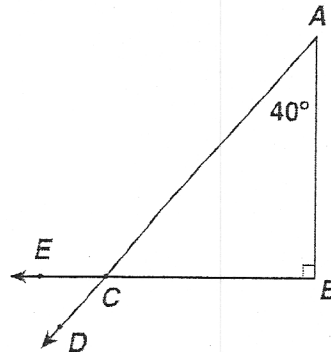
- 65 In the figure below, \overline{CD} intersects \overline{AB} at F , $m\angle CFB = 50^\circ$, and $\angle EFA \cong \angle AFD$. What is $m\angle EFC$?



- A 40°
- B 50°
- C 70°
- D 80°

CSM10962

- 66 In the figure below, $\triangle ABC$ is a right triangle and $m\angle A = 40^\circ$.



What is $m\angle ECD$?

- A 40°
- B 50°
- C 130°
- D 140°

CSM10940

67 What is the supplement of a 40° angle?

- A 50°
- B 130°
- C 140°
- D 220°

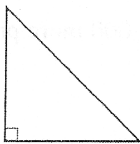
CSM20689

68 Which figure is an acute triangle?

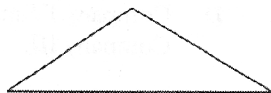


A

C



B



D

CSM10357

69 Abe found the mean and median of this list of numbers.

1, 3, 3

If the number 6 were added to the list, then

- A the mean would increase.
- B the mean would decrease.
- C the median would increase.
- D the median would decrease.

CSN02268

70 A snack bar sells 5 items with a mean (average) price of \$0.60, as shown below.

Snack Menu	
Chips	\$0.50
Juice	\$0.80
Apple	\$0.60
Candy	\$0.70
Gum	\$0.40

Which pair of items could be added to the menu without changing the average price?

- A Banana (\$0.60) and Soda (\$0.75)
- B Banana (\$0.60) and Cookie (\$0.50)
- C Energy Bar (\$0.45) and Cookie (\$0.50)
- D Energy Bar (\$0.45) and Soda (\$0.75)

CSM80031

71 Marguerite earned a score between 75 and 89 on all of her previous spelling tests. She earned a score of 100 on her next test. Which of the following statements is true?

- A The mode will increase.
- B The mean will increase.
- C The mean will decrease.
- D The median will decrease.

CSM30199

72 Wendy wants to take a survey to determine which flavor of ice cream is the most popular at her school. Which of the following methods is the *best* way for her to choose a random sample of the students at her school?

- A selecting ten students from each homeroom
- B selecting members of the girls' softball team
- C selecting members of the boys' basketball team
- D selecting students who like her favorite flavor of ice cream

CSM20726

73 Celia has a large container in which four different kinds of coins are thoroughly mixed. She wants to take a sample of her coins to estimate which kind of coin she has the most. Which of the following methods is the *best* way for her to select a sample?

- A taking one coin from the container
- B taking coins until she has one of every kind
- C taking ten coins of each type from the container
- D taking thirty coins out of the container without looking

CSM20725

74 Emil wants to find out the most popular football team at a game between the home team and the visiting team. Which of the following methods will give him the *most* accurate results?

- A surveying the cheerleaders for the home team
- B surveying people wearing hats for the visiting team
- C surveying a group of people standing in line for tickets
- D surveying people who do not live in the home team's city

CSM20727

75 The table shows the annual profit for five companies.

2003 Profits

Company	Profit
I	\$300,000
II	\$275,000
III	\$250,000
IV	\$325,000
V	\$300,000

Which statement is valid about the annual profits of these five companies?

- A Companies II and V made the same profit.
- B No company made less than \$275,000 profit.
- C No company made more than \$300,000 profit.
- D Company IV made \$75,000 more profit than Company III.

CSM20722

- 76 Ms. Hatley is going to choose one person from each of the two lists below to represent the class in student council.

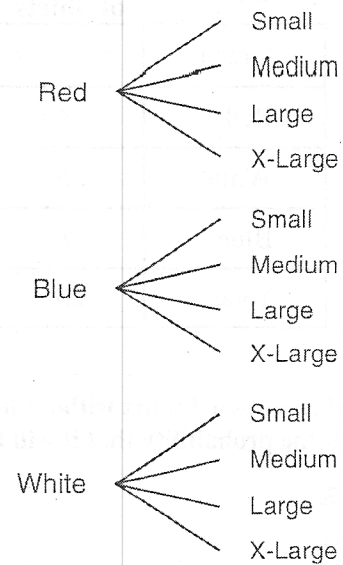
List 1	List 2
Ann	Dave
Carlos	Mia
Lisa	

Which set shows *all* the possible choices of two people?

- A {(Ann, Carlos), (Ann, Lisa)}
- B {(Ann, Dave), (Ann, Mia)}
- C {(Ann, Dave), (Carlos, Mia), (Lisa, Dave), (Lisa, Mia)}
- D {(Ann, Dave), (Ann, Mia), (Carlos, Dave), (Carlos, Mia), (Lisa, Dave), (Lisa, Mia)}

CSN0310

- 77 A store is selling USA Spirit T-shirts. The shirts are available in red, blue, and white. Shirts of each color are available in sizes small, medium, large, and extra large.



Aimee will randomly select one shirt from a shelf. If the shelf contains equal numbers of shirts in each color and size combination, what is the probability that Aimee will select a large shirt?

- A $\frac{1}{12}$
- B $\frac{1}{4}$
- C $\frac{1}{3}$
- D $\frac{11}{12}$

CSM10526

- 78 The table shows how many T-shirts of each color Paul has in his closet.

Color	Number of Shirts
Green	3
Red	4
White	5
Blue	8
Total	20

If Paul chooses a T-shirt without looking, what is the probability that it will be blue?

- A 4%
- B 8%
- C 40%
- D 60%

CSN00191

- 79 Mason has 10 black, 12 white, and 3 brown pairs of socks in one drawer. What is the probability that, without looking, Mason will pick a brown pair of socks from the drawer?

- A 4%
- B 12%
- C 14%
- D $33\frac{1}{3}\%$

CSM11016

- 80 In her pocket, Kira has 2 red marbles, 2 green marbles, and 2 blue marbles that are all the same size. If Kira picks one marble out of her pocket without looking, what is the probability that it will be either red or green?

- A $\frac{1}{6}$
- B $\frac{1}{3}$
- C $\frac{1}{2}$
- D $\frac{2}{3}$

CSN00272