

**Puzzle Time****What Are A Plumber's Favorite Shoes?**

Write the letter of each answer in the box containing the exercise number.

Find the probability.

1. In a group of 25 students at lunch, 10 prefer ketchup on their hamburger, 10 prefer mustard on their hamburger, and 5 like both ketchup and mustard on their hamburger. The rest of the students in the group prefer neither. What is the probability that a student selected from this group will prefer ketchup or mustard on their hamburger?
2. A card is randomly selected from a standard deck of 52 cards. What is the probability that it is a 2 or an 8?
3. In a class of 50 high school juniors, 32 students either play a sport or are in the marching band. There are 22 juniors who play a sport and 16 who are in the marching band. What is the probability that a randomly selected junior plays a sport and is in the marching band?
4. You roll a die. What is the probability that you roll an even number or a 5?
5. You roll a die. What is the probability that you roll an odd number or a factor of 6?

Answers

O. $\frac{3}{25}$

L. $\frac{2}{13}$

G. $\frac{2}{3}$

C. $\frac{3}{5}$

S. $\frac{5}{6}$

1	2	3	4	5
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