

Arithmetic Sample Items

The Arithmetic Accuplacer test contains 17 questions and measures your skills in three primary categories:

- *Operations with whole numbers and fractions.* This includes addition, subtraction, multiplication, division, and recognizing equivalent fractions and mixed numbers.
- *Operations with decimals and percents.* This category includes addition, subtraction, multiplication, and division as well as percent problems, decimal recognition, fraction and percent equivalencies, and estimation problems.
- *Applications and problem-solving.* Questions include rate, percent, and measurement problems, geometry problems, and distribution of a quantity into its fractional parts.

Directions: Solve the following problems and select your answer from the alternatives given. You may use scratch paper. Remember, no calculators are permitted on Accuplacer.

1. A soccer team played 160 games and won 65 percent of them. How many games did they win?

- A. 95
- B. 104
- C. 114
- D. 246

2. *The Number of Employees of Company K Who Were Involved in Accidents*

Position at Company K	Plant X	Plant Y
Mechanic	11	30
Power Machine Operators	9	12

The table above shows the results of an industrial health survey of 10,000 people employed at Company K for more than five years. If 2,500 employees were surveyed in each of the four categories, which group of employees had the highest accident rate?

- A. Mechanics in Plant X
- B. Mechanics in Plant Y
- C. Power Machine Operators in Plant X
- D. Power Machine Operators in Plant Y

3. $1/2 + 1/3 =$

- A. $5/6$
- B. $1/6$
- C. $1/5$
- D. $2/5$

4. $7/20 =$

- A. .35%
- B. $28/100$
- C. 0.35
- D. 3.5

Answers:

1. B
2. B
3. A
4. C
5. C
6. A
7. A
8. D