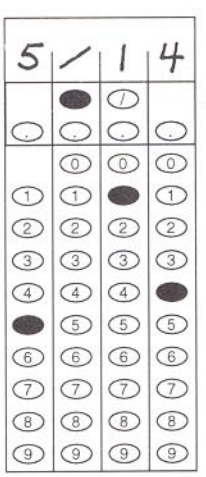
Student-Produced Response Practice Pages

Directions: Each of the 10 questions in this part requires you to solve the problem and enter your answer by marking the ovals in the special grid, as shown in the examples below.

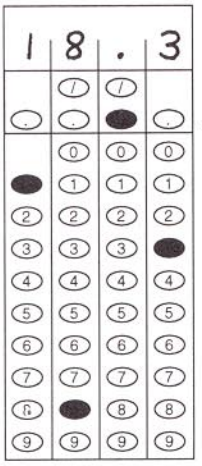
Answer: $\frac{5}{14}$ or 5/14 Answer: 18.3 Answer: 120

Write answer → in boxes.

Grid in → result.

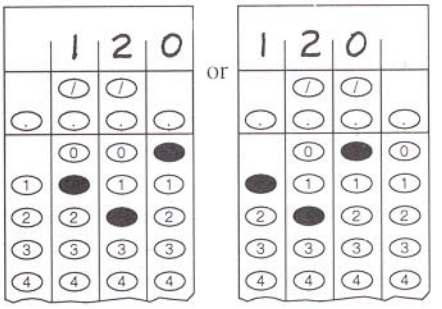


Fraction ← line



← Decimal point

Either position is correct.

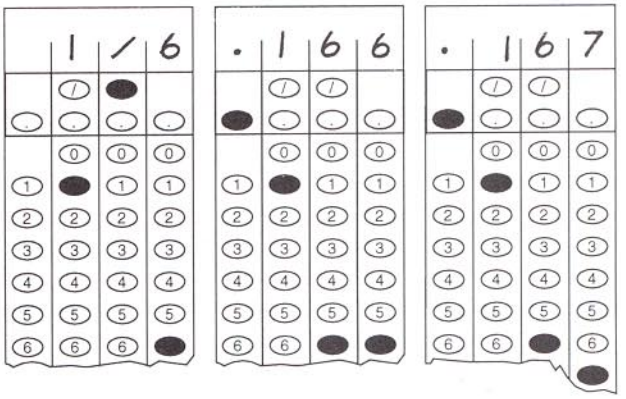


Note: Answers can start in any column.

- **Mixed numbers** such as $1\frac{1}{2}$ must be gridded as 1.5 or $\frac{3}{2}$. (If  is gridded, it will be interpreted as $\frac{11}{2}$, not $1\frac{1}{2}$.)
- If more than one oval in any column is marked, the answer will be scored as wrong.
- Because the answer sheet will be machine-scored, **you will receive credit only if the ovals are filled in correctly.**
- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the ovals accurately.
- Some problems may have more than one correct answer. In such cases, grid only one answer.

- **Decimal Accuracy:** If you obtain a decimal answer, **enter the most accurate value the grid will accommodate.** For example, if you obtain an answer such as 0.1666..., you should record the result as .166 or .167. **Less accurate results such as .16 or .17 are not acceptable.**

Acceptable ways to grid $\frac{1}{6}$ = .1666....



1 What is the eighth term in the series 2, 6, 11, 17, 24, ___, ___, ___?

USE THIS SPACE FOR SCRATCHWORK.

2 If $\frac{a+b}{a} = \frac{5}{4}$, then what is the value of $\frac{b}{a}$?

GO ON TO THE NEXT PAGE

Sample Question 1

A number added to one-third of itself results in a sum of 40. What is the number?

Let n = the number.

$$n + \frac{1}{3}n = 40$$

$$\frac{4}{3}n = 40$$

$$n = 30$$

Record 30 on the grid. It can be either left justified, right justified, or centered.

Sample Question 2

Ms. Wang earns a salary of $300 per week plus a 6% commission on her sales. What must her sales be for the week if she needs to earn $345?

First find the commission earned.

$\$345 - \$300 = \$45$

Now find the amount earned in sales.

$$0.06x = 45$$

$$x = 750$$

Ms. Wang's sales must be $750. Since the dollar sign is not included on the answer grid, you only need to blacken the ovals for 750.

Sample Question 3

If $15 - 4y = 7 + 2y$, then what is the value of $2y$?

First solve for y.

$$15 - 4y = 7 + 2y$$

$$8 = 6y$$

$$\frac{4}{3} = y$$

Now find $2y$.

$$2y = 2\left(\frac{4}{3}\right) = \frac{8}{3}$$

The answer can be recorded as $\frac{8}{3}$ or 2.67. Do not record it as $2\frac{2}{3}$ because 22/3 will be interpreted as $\frac{22}{3}$ by the computer.

Now go on to the next page and practice solving some typical questions on an SAT-I: Mathematics Reasoning Test. The answers are on page 24.