

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.

	5	/	1	4
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	0	0	0
1	1	<input checked="" type="radio"/>	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	<input checked="" type="radio"/>
<input checked="" type="radio"/>	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Fraction
line ←

	1	8	.	3
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	0	0	0
<input checked="" type="radio"/>	1	1	1	1
2	2	2	2	2
3	3	3	3	<input checked="" type="radio"/>
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	<input checked="" type="radio"/>	8	8	8
9	9	9	9	9

← Decimal
point

Either position is correct.

	1	2	0
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	0	<input checked="" type="radio"/>
1	<input checked="" type="radio"/>	1	1
2	2	<input checked="" type="radio"/>	2
3	3	3	3
4	4	4	4

or

	1	2	0
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	<input checked="" type="radio"/>	0
<input checked="" type="radio"/>	1	1	1
2	<input checked="" type="radio"/>	2	2
3	3	3	3
4	4	4	4

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 $\frac{11}{2}$ 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 $\frac{1}{6} = .1666\dots$

	1	/	6
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	0	0	0
1	<input checked="" type="radio"/>	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	<input checked="" type="radio"/>

	.	1	6	6
	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	0	0	0
1	<input checked="" type="radio"/>	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	<input checked="" type="radio"/>	<input checked="" type="radio"/>

	.	1	6	7
	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	0	0	0	0
1	<input checked="" type="radio"/>	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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

3 $x^2 + y^2 = 16$
 $xy = 8$
 $(x + y)^2 = ?$

4 20% of $10a$ is b . What percent of $2b$ is a ?

5 If the distance between point $A(3, 0)$ and $B(-1, y)$ is 5, then what is a value for y ?

6 Eight pencils and five pens cost \$5.41, while nine pencils and three pens cost \$3.75. What is the cost of a pencil in dollars? (Disregard the \$ sign when gridding your answer.)

7 The length of a leg of an isosceles right triangle is $3\sqrt{2}$. What is the length of the hypotenuse?

8 How many ways can six different books be arranged on a shelf?

9 If y varies directly as x , and $x = 4$ when $y = 0.5$, then what is y when $x = 18$?

10 A person travels five miles north, fifteen miles west, and fifteen miles north. How far (to the nearest mile) is he from the starting point?