

CHAPTER
2

Free Response

Test B

1. Simplify $-\frac{120}{360}$.

2. Write 0.46 as a fraction in simplest form.

3. Write $\frac{7}{25}$ as a decimal.

For 4 and 5, order the numbers from least to greatest.

4. $\frac{9}{15}$, $\frac{37}{100}$, 0.4, 0.35

$\frac{3}{5}$ $.37$

5. -0.11, 0.25, 0.7, -0.21

6. Subtract $\frac{7}{23} - \frac{9}{23}$.

7. Evaluate $8.2 + n$ for $n = 2.43$

8. Brian practiced his pole vault before the track meet. At the beginning of the week he vaulted 1.23 meters; at the end of the week he vaulted 1.42 meters. How much higher did he go at the end of the week?

For 9 and 10 multiply. Write the answer in simplest form.

9. $4 \cdot 1\frac{5}{16}$

10. $-\frac{3}{4} \cdot -\frac{1}{8}$

11. A book of stamps contains 20 stamps. If you used two-fifths of the stamps, how many did you use?

12. Evaluate $0.14y$ for $y = 4$.

Free Response**Test B, continued**

For 13 and 14 divide. Write the answer in simplest form.

13. $\frac{5}{6} \div \frac{9}{16}$

14. $30 \div \frac{3}{5}$

15. Matt bought cheese that cost \$2.80 per pound. If he spent \$7.28, how much cheese did he buy?
-
- _____

16. Evaluate $\frac{8.2}{x}$ for $x = 2.5$.

17. Subtract $2\frac{5}{6} - 1\frac{3}{10}$.

18. A group of friends hikes
- $2\frac{3}{4}$
- miles, stops for lunch, and then hikes another
- $1\frac{1}{5}$
- miles. How far did they hike?
-
- _____

19. Evaluate $-\frac{3}{5} + m$ for $m = 2\frac{1}{4}$.

For 20–23, solve the following equations.

20. $y + 18.7 = 26$.

21. $z - \frac{5}{6} = \frac{1}{3}$.

22. $3y + 8.1 = 25.2$.

23. $\frac{z-9}{5} = 3$.
