

Gray Morris: Calculate with Confidence, 5th Edition

Chapter 02: Fractions

Test Bank

COMPLETION

1. Reduce the following fraction to lowest terms.

$$54/81 = \underline{\hspace{2cm}}$$

ANS: $2/3$

MSC: Practice Problems

2. Reduce the following fraction to lowest terms.

$$105/135 = \underline{\hspace{2cm}}$$

ANS: $7/9$

MSC: Practice Problems

3. Reduce the following fraction to lowest terms.

$$39/65 = \underline{\hspace{2cm}}$$

ANS: $3/5$

MSC: Practice Problems

4. Change the following improper fraction to a whole or mixed number.

$$325/16 = \underline{\hspace{2cm}}$$

ANS: $20 \frac{5}{16}$

MSC: Practice Problems

5. Change the following improper fraction to a whole or mixed number.

$$1500/100 = \underline{\hspace{2cm}}$$

ANS: 15

MSC: Practice Problems

6. Change the following improper fraction to a whole or mixed number.

$$193/62 = \underline{\hspace{2cm}}$$

ANS: $3 \frac{7}{62}$

MSC: Practice Problems

7. Change the following mixed number to an improper fraction.

$$12 \frac{1}{8} = \underline{\hspace{2cm}}$$

ANS: $97/8$

MSC: Practice Problems

8. Change the following mixed number to an improper fraction.

$$29 \frac{2}{3} = \underline{\hspace{2cm}}$$

ANS: $89/3$

MSC: Practice Problems

9. Perform the indicated operation and reduce to lowest terms.

$$1/12 + 6/12 + 5/12 = \underline{\hspace{2cm}}$$

ANS: 1

MSC: Practice Problems

10. Perform the indicated operation and reduce to lowest terms.

$$3/8 - 1/3 = \underline{\hspace{2cm}}$$

ANS: $1/24$

MSC: Practice Problems

11. Perform the indicated operation and reduce to lowest terms.

$$4/5 \times 5/16 = \underline{\hspace{2cm}}$$

ANS: $1/4$

MSC: Practice Problems

12. Perform the indicated operation and reduce to lowest terms.

$$1/12 \times 1/15 = \underline{\hspace{2cm}}$$

ANS: $1/180$

MSC: Practice Problems

13. Perform the indicated operation and reduce to lowest terms.

$$3/5 \div 5 = \underline{\hspace{2cm}}$$

ANS: $3/25$

MSC: Practice Problems

14. Perform the indicated operation and reduce to lowest terms.

$$1/100 \div 1/200 = \underline{\hspace{2cm}}$$

ANS: 2

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15. Indicate which fraction is the largest.

$1/100$, $1/150$, $1/200$: _____

ANS: $1/100$

MSC: Practice Problems

16. Arrange the following fractions from smallest to largest.

$1/6$, $1/5$, $1/8$, $1/4$, $1/3$: _____

ANS: $1/8$, $1/6$, $1/5$, $1/4$, $1/3$

MSC: Practice Problems

17. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$1/5 + 1/2 + 1/4 =$ _____

ANS: $19/20$

MSC: Practice Problems

18. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$16 \frac{5}{6} - 14 \frac{3}{8} =$ _____

ANS: $2 \frac{11}{24}$

MSC: Practice Problems

19. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$6 \frac{10}{12} \times 15/3 =$ _____

ANS: $34 \frac{1}{6}$

MSC: Practice Problems

20. Perform the indicated operation with fractions. Reduce to lowest terms as indicated.

$56 \div 9/20 =$ _____

ANS: $124 \frac{4}{9}$

MSC: Practice Problems

21. Indicate the largest number in the following set.

$5/6$, $5/8$: _____

ANS: $5/6$

MSC: Practice Problems

22. Indicate the largest number in the following set.

$1/30$, $1/4$, $1/150$: _____

ANS: $1/4$

MSC: Practice Problems

23. Reduce the following fraction to lowest terms.

$$34/102 = \underline{\hspace{2cm}}$$

ANS: $1/3$

MSC: Practice Problems

24. Reduce the following fraction to lowest terms.

$$60/1200 = \underline{\hspace{2cm}}$$

ANS: $1/20$

MSC: Practice Problems

25. Express the following improper fraction as a mixed number. Reduce to lowest terms.

$$24/18 = \underline{\hspace{2cm}}$$

ANS: $1 \frac{1}{3}$

MSC: Practice Problems

26. Express the following improper fraction as a mixed number. Reduce to lowest terms.

$$15/13 = \underline{\hspace{2cm}}$$

ANS: $1 \frac{2}{13}$

MSC: Practice Problems

27. Change the following mixed number to an improper fraction.

$$9 \frac{1}{9} = \underline{\hspace{2cm}}$$

ANS: $82/9$

MSC: Practice Problems

28. Change the following mixed number to an improper fraction.

$$6 \frac{7}{10} = \underline{\hspace{2cm}}$$

ANS: $67/10$

MSC: Practice Problems