

- Identify the choice that best completes the statement or answers the question.

_____ 6. What is the value of the expression below?

$$|48 \div (-6)| + |-35 \div 7|$$

a. -13

c. 3

b. -3

d. 13

Evaluate the expression when $a = -48$, $b = 4$, and $c = -3$.

_____ 7. $c + b$

a. 1

c. -7

b. -1

d. 0

_____ 8. $-50 - a$

a. 98

c. -1

b. -2

d. -98

_____ 9. $b - 3$

a. -1

c. 1

b. 7

d. -7

_____ 10. $18 \div c$

a. 6

c. 54

b. -54

d. -6

_____ 11. $\frac{a \div b}{c}$

a. 4

c. 7

b. -4

d. 64

_____ 12. $\frac{a}{3}$

a. 144

c. -16

b. -144

d. 16

_____ 13. $10 - 24$

a. -14

c. 34

b. -34

d. 14

Evaluate the expression.

_____ 14. $-7 + 5 - (-3)$

a. 9

c. 1

b. -15

d. -5

_____ 15. $10 - (-9) - 8$

a. 11

c. 9

b. 27

d. -11

_____ 16. $-3 \cdot (-2)^3$

a. -24

c. 18

b. -18

d. 24

- ____ 17. $(-3)^2$
 a. -6
 b. -9
 c. 6
 d. 9
- ____ 18. -8^2
 a. 64
 b. -16
 c. -64
 d. 16
- ____ 19. $-4^2 \cdot 6$
 a. 96
 b. 48
 c. -96
 d. -48
- ____ 20. $-8 - 10 \div 2 + 8$
 a. 5
 b. -5
 c. -9
 d. -1
- ____ 21. $-12 \div (-3) + (-9) \cdot (-6)$
 a. 30
 b. 58
 c. -6
 d. 61
- ____ 22. $2 \cdot (-5) \cdot (-8)$
 a. 79
 b. -80
 c. 80
 d. 83
- ____ 23. A manatee dives at a rate of 4 feet per second. What integer represents the change in the manatee's position after 20 seconds?
 a. 80
 b. -80
 c. -60
 d. -85

Divide, if possible.

- ____ 24. $\frac{40}{-8}$
 a. -5
 b. $\frac{1}{5}$
 c. 5
 d. $\frac{1}{5}$
- ____ 25. $\frac{22}{0}$
 a. undefined
 b. 22
 c. 1
 d. 0

Find the mean of the integers.

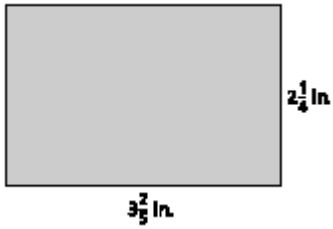
- ____ 26. -12, -4, -11, -6, 4
 a. -6
 b. 5.8
 c. -3.8
 d. -5.8

____ 27. Which of the following describes a correct method for finding the sum below?

$$-\frac{7}{2} + \frac{3}{4}$$

- a. Write the sum of the numerators over the sum of the denominators. Simplify.
- b. Rewrite using the LCD. Write the sum of the numerators over the sum of the denominators. Simplify.
- c. Rewrite using the LCD. Write the sum of the numerators over the common denominator. Simplify.
- d. Rewrite using the LCD. Write the difference of the numerators over the common denominator. Simplify.

____ 28. What is the area, in square inches, of the rectangle?



- a. $5\frac{13}{20}$
- b. $6\frac{1}{10}$
- c. $7\frac{13}{20}$
- d. $11\frac{3}{10}$

____ 29. Which of the following has the **greatest** value?

- a. $|4.4|$
- b. $|-4.28|$
- c. $\left|-\frac{9}{2}\right|$
- d. $\left|-4\frac{3}{5}\right|$

____ 30. A board is $6\frac{1}{2}$ feet long. You cut off a $1\frac{3}{4}$ -foot piece and a $2\frac{2}{3}$ -foot piece. How much of the original board is left?

- a. $-2\frac{1}{2}$ feet
- b. $-\frac{1}{6}$ foot
- c. $2\frac{1}{12}$ feet
- d. $4\frac{5}{12}$ feet

Write the decimal as a fraction or mixed number in simplest form.

____ 31. 0.35

- a. $\frac{7}{200}$
- b. $\frac{7}{20}$
- c. $2\frac{6}{7}$
- d. $-\frac{7}{20}$

Subtract. Write fractions in simplest form.

____ 40. $-3\frac{1}{3} - 2\frac{1}{2}$

a. $-5\frac{5}{6}$

b. $-\frac{5}{6}$

c. $\frac{5}{6}$

d. $\frac{5}{6}$

____ 41. $2.735 - (-6.181)$

a. 8.925

b. 3.446

c. 8.916

d. -3.446

____ 42. $-\frac{1}{2} - (-\frac{1}{2})$

a. -4

b. -1

c. 0

d. $\frac{1}{2}$

____ 43. $-9\frac{1}{2} - 8\frac{3}{10}$

a. $17\frac{4}{5}$

b. $1\frac{1}{5}$

c. $\frac{3}{4}$

d. $-17\frac{4}{5}$

Divide. Write your answer in simplest form.

____ 44. $41.31 \div (-4.5)$

a. -0.109

b. 45.81

c. 9.18

d. -9.18

____ 45. $-\frac{2}{7} \div \frac{5}{9}$

a. $\frac{18}{35}$

b. $-\frac{10}{63}$

c. 1

d. $-\frac{18}{35}$

____ 46. $-9\frac{1}{5} \div (-6\frac{1}{5})$

a. $\frac{15}{31}$

b. $57\frac{1}{25}$

c. 1

d. $-1\frac{21}{25}$

Multiply. Write your fractions in simplest form.

_____ 47. $\frac{4}{7} \left(-\frac{2}{3} \right)$

a. $\frac{10}{63}$

b. $\frac{8}{21}$

_____ 48. $-3(0.96)$

a. 3.125

b. -3.13

c. $\frac{5}{8}$

d. $\frac{8}{21}$

c. -2.88

d. 2.88

Integers & Rational Number Review (Chapters 1 & 2)
Answer Section

MULTIPLE CHOICE

- | | |
|-------|-------|
| 1. C | 42. C |
| 2. B | 43. D |
| 3. B | 44. D |
| 4. A | 45. D |
| 5. C | 46. A |
| 6. D | 47. D |
| 7. A | 48. C |
| 8. B | |
| 9. C | |
| 10. D | |
| 11. A | |
| 12. C | |
| 13. A | |
| 14. C | |
| 15. A | |
| 16. D | |
| 17. D | |
| 18. C | |
| 19. C | |
| 20. B | |
| 21. B | |
| 22. C | |
| 23. B | |
| 24. A | |
| 25. A | |
| 26. D | |
| 27. C | |
| 28. C | |
| 29. D | |
| 30. C | |
| 31. B | |
| 32. D | |
| 33. C | |
| 34. C | |
| 35. B | |
| 36. B | |
| 37. C | |
| 38. C | |
| 39. D | |
| 40. A | |
| 41. C | |