

Math Connections



Math Course 2—Week 2 Answers

Operations with Integers 2.2.1 to 2.2.3 Answers

Answers

- | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| 1. | 2 | 2. | 5 | 3. | 0 | 4. | -4 | 5. | -6 | 6. | -5 |
| 7. | -13 | 8. | -12 | 9. | -27 | 10. | 2 | 11. | 8 | 12. | -14 |
| 13. | 7 | 14. | 73 | 15. | -6 | 16. | -69 | 17. | 37 | 18. | 161 |
| 19. | 60 | 20. | 0 | 21. | -8 | 22. | -2 | 23. | 0 | 24. | -50 |
| 25. | -2 | 26. | -39 | 27. | -15 | 28. | 1 | 29. | 10 | 30. | 21 |

Operations with Integers 2.2.4 Answers

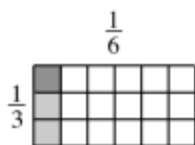
Answers

- | | | | | | | | | | |
|-----|------|-----|------|-----|------|-----|------|-----|-----|
| 1. | -8 | 2. | -12 | 3. | -60 | 4. | -168 | 5. | -36 |
| 6. | -104 | 7. | -135 | 8. | -735 | 9. | 42 | 10. | 63 |
| 11. | 176 | 12. | 508 | 13. | 64 | 14. | -27 | 15. | 320 |
| 16. | 360 | 17. | 320 | 18. | 320 | 19. | -320 | 20. | 320 |
| 21. | -2 | 22. | -6 | 23. | -32 | 24. | -47 | 25. | -3 |
| 26. | -12 | 27. | -11 | 28. | -1 | 29. | 19 | 30. | 7 |
| 31. | 9 | 32. | 7 | 33. | 1 | 34. | -59 | 35. | 83 |
| 36. | 107 | 37. | -56 | 38. | -19 | 39. | -71 | 40. | -83 |

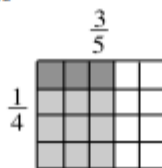
Operations with Fractions 2.2.5 and 2.2.6 Answers

Answers

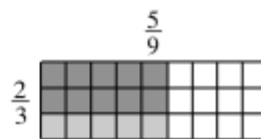
1. $\frac{1}{18}$



2. $\frac{3}{20}$



3. $\frac{10}{27}$



4. $\frac{2}{15}$

5. $\frac{4}{21}$

6. $\frac{3}{20}$

7. $\frac{4}{15}$

8. $\frac{2}{12} = \frac{1}{6}$

9. $\frac{10}{18} = \frac{5}{9}$

10. $\frac{12}{20} = \frac{3}{5}$

11. $\frac{2}{30} = \frac{1}{15}$

12. $\frac{3}{14}$

13. $\frac{12}{40} = \frac{3}{10}$

14. $\frac{6}{45} = \frac{2}{15}$

15. $\frac{15}{70} = \frac{3}{14}$

16. $\frac{30}{77}$

17. $\frac{15}{60} = \frac{1}{4}$

18. $\frac{30}{55} = \frac{6}{11}$

19. $\frac{15}{60} = \frac{1}{4}$

20. $\frac{35}{126} = \frac{5}{18}$

Order of Operations 3.1.1 and 3.1.2 Answers

Answers

1. 19

2. 5

3. 70

4. 64

5. 62

6. 30

7. 9

8. 39

9. 12

10. 0

11. 54

12. 109

13. 44

14. 5

15. 47

16. -5

17. -25

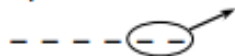
18. -6

19. -10

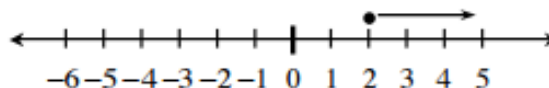
Operations with Integers 3.2.1, 3.2.2 and 3.2.5 Answers

Answers (and possible models)

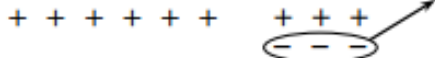
1. -4



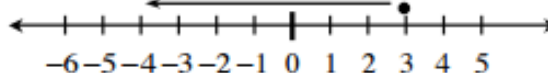
2. 5



3. 9



4. -4



5. 10

6. 4

7. 2

8. -2

9. -22

10. 22

11. -8

12. 4

13. 16

14. -18

15. -9

Operations with Decimals 3.2.4 Answers

Answers

- | | | | | | |
|-----|-------|-----|--------|-----|--------|
| 1. | 2 | 2. | 3 | 3. | 3 |
| 4. | 4 | 5. | 3 | 6. | 6 |
| 7. | 0.024 | 8. | 0.96 | 9. | 0.1575 |
| 10. | 14.4 | 11. | 0.0576 | 12. | 49.707 |
| 13. | 43.2 | 14. | 334.6 | 15. | 1.739 |
| 16. | 16.32 | 17. | 0.7125 | 18. | 54.6 |

Operations with Fractions 3.3.1 Answers

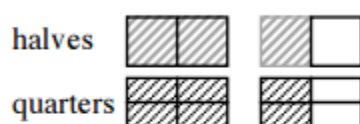
Answers

1. 8



8 sixths

2. 2



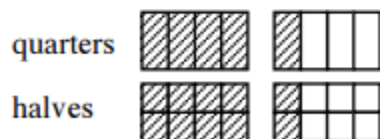
2 three fourths

3. 4



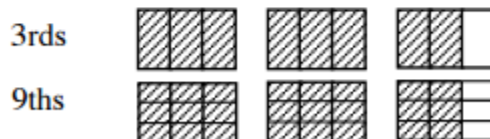
4 fourths

4. $2\frac{1}{2}$



$2\frac{1}{2}$ halves

5. 24



24 ninths

Answers

- | | | | | | | | | | |
|-----|-----------------|-----|------------------|-----|----------------|-----|----------------|-----|------------------|
| 1. | $3\frac{3}{7}$ | 2. | $2\frac{6}{7}$ | 3. | $1\frac{5}{7}$ | 4. | $4\frac{5}{7}$ | 5. | $1\frac{13}{35}$ |
| 6. | $\frac{21}{50}$ | 7. | $3\frac{11}{15}$ | 8. | 21 | 9. | $3\frac{1}{3}$ | 10. | $3\frac{5}{9}$ |
| 11. | 4 | 12. | 3 | 13. | $\frac{1}{2}$ | 14. | 62 | 15. | $\frac{1}{10}$ |

Properties of Addition and Multiplication 3.3.3 Answers

Answers

1. a. Distributive b. Associative
2. a. Commutative b. Associative c. Associative
3. a. Commutative b. Distributive c. Associative