Contents

The *Full Solution Answer Key* provides answers to all *Mathematics 7* exercises. If needed, solutions are given. Each component is designated by color.

- teal – exercises from textbook
- gray – solutions
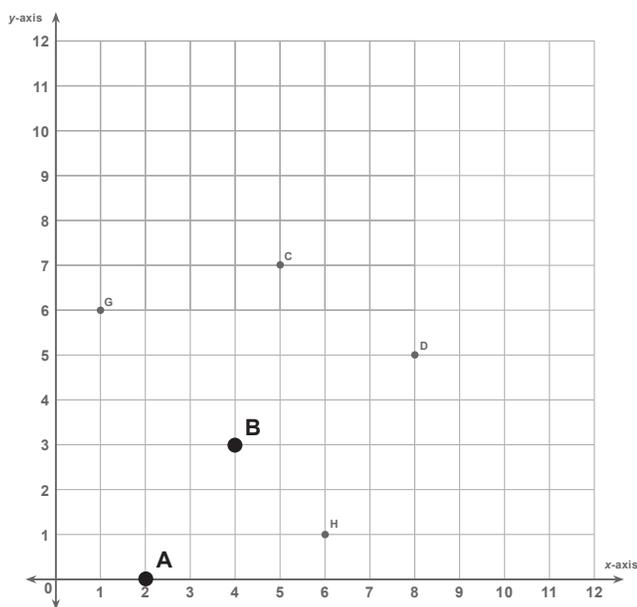- black – answers

Unit 1

Lesson 1

1. 0   e
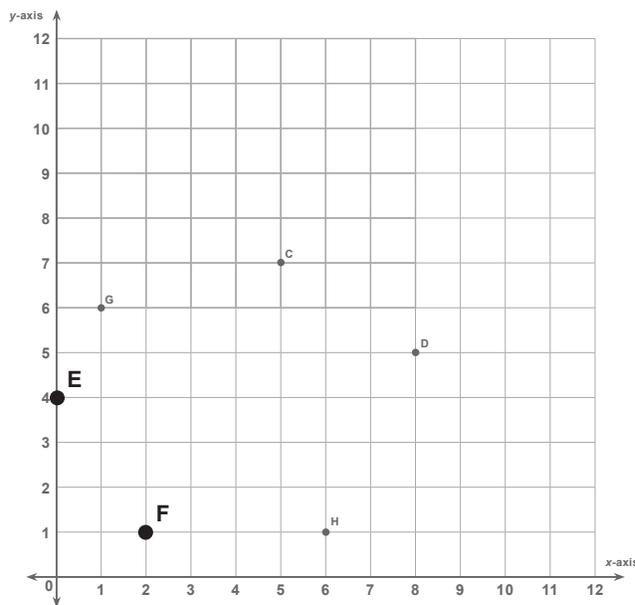2. 4   a
3. 2   c
4. 4   b
5. 11   d
6. e   a

7, 8. From Worksheet 1
Worksheet 1 is also used for
Numbers 16 and 17.

9. (5, 7)
10. (8, 5)
11. identity property of multiplication
12. commutative property of multiplication
13. zero property of multiplication
14. commutative property of addition
15. identity property of addition

16, 17. From Worksheet 1
Worksheet 1 is also used for
Numbers 7 and 8.

18. (1, 6)
19. (6, 1)

20.
$$\begin{array}{r} \overset{8\;1\;11}{49{,}220} \\ -45{,}917 \\ \hline 3{,}303 \end{array}$$

21.
$$\begin{array}{r} \overset{3\,1\;\;2\,4}{} \\ \overset{1\quad\;1}{26{,}249} \\ \times\qquad 52 \\ \hline 52498 \\ 1312450 \\ \hline 1{,}364{,}948 \end{array}$$

22.
$$\begin{array}{r} \overset{8139\;91}{\$940.02} \\ -\quad 71.54 \\ \hline \$868.48 \end{array}$$

23.
$$\begin{array}{r} \overset{4\quad2\,4}{} \\ \overset{2\;\;\;1\,2}{37.138} \\ \times\qquad 0.63 \\ \hline 111414 \\ 2228280 \\ \hline 23.39694 \end{array}$$

1

24.
$$\overset{2\,2}{726}$$
662
254
78
+169
——
1,889

25.
$$\overset{2\,2}{270}$$
49
300
876
+179
——
1,674

26.
$$\begin{array}{r} 393 \\ 8\overline{)3{,}144} \end{array}$$
24
——
74
72
——
24
24
——
0

27.
$$\begin{array}{r} 474 \\ 9\overline{)4{,}266} \end{array}$$
36
——
66
63
——
36
36
——
0

28.
$$\overset{1}{4.7}00$$
2.730
+9.421
——
16.851

29. 9

30. 144

31. 1

32. 196

33. 225

34. 25

35. 16

36. 169

37. 49

38. 4

39. 100

40. 121

41. 64

42. 36

43. 81

44. 11

45. 6

46. 3

47. 10

48. 13

49. 5

50. 4

51. 2

52. 14

53. 8

54. 15

55. 9

56. 1

57. 7

58. 12

Lesson 2

Page 5

1. $(3 + 4)(9 - 3)$
$7(9 - 3)$
$7 \cdot 6$
42

2. $8 - 3 \cdot 2 + 6$
$8 - 6 + 6$
$2 + 6$
8

3. $\frac{8}{2} + 3 \cdot 7 - 5$
$4 + 3 \cdot 7 - 5$
$4 + 21 - 5$
$25 - 5$
20

4. $(8 - 3)2 + 6$
$5 \cdot 2 + 6$
$10 + 6$
16