# ACTIVITY ANSWER KEY

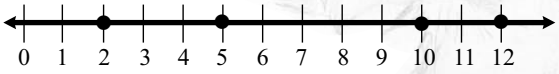
## Chapter 3, Section 1

**Check your answers from the Answer Key.**
**Correct all errors, then complete your next goal.**

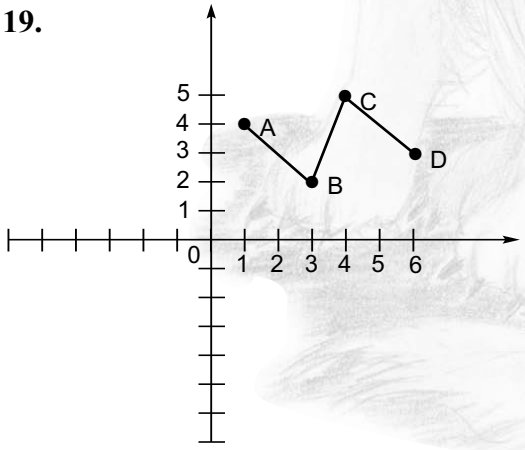
### Lesson 1: *Graphs*

*Graphs*

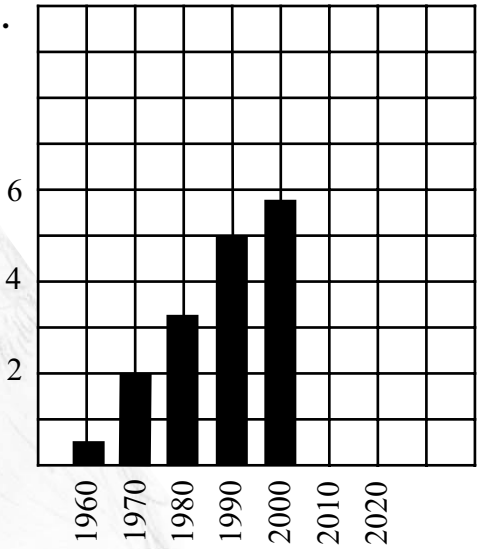
**1.** graph
**2.** sets; numbers
**3.** (any order) dot; line; bar; pie
**4.** highs; lows
**5.** (a) circle
**6.** number line
**7.** horizontal; tick marks
**8.**




**9.** (d) 0
**10.** (c) dot
**11.** dimensions
**12.** perpendicular
**13.** x-axis; y-axis
**14.** ordered pair
**15.** (a) True
**16.** (5, 6)
**17.** straight line
**18.** A(1, 1); B(2, 5); C(3, $\frac{1}{2}$); D(4, $3\frac{1}{2}$); E(5, 5); x-axis; y-axis
**19.**




**20.** bar or column graph
**21.**




**22.** (b) $1\frac{1}{2}$, $1\frac{1}{4}$, $1\frac{3}{4}$, $\frac{3}{4}$
**23.** (d) gas, donations and repairs
**24.** (b) Food comprises one fourth of the family's expenses.
**25.** *"Success is shooting at and hitting a noble goal."*

### Lesson 2: *Signed Numbers*

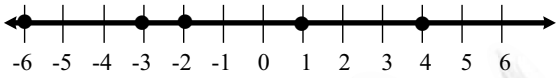
*Signed Numbers*

**1.** James Cook
**2.** Antarctica
**3.** (a) to the right
**4.** +; $^{+}$; sign
**5.** left
**6.** -: $^{-}$
**7.** meteorologist
**8.** thermometer
**9.** mercury
**10.** negative



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**11.** 100
**12.** origin
**13.** (b) to the right
**14.** Zero
**15.** indefinitely; both
**16.**




**17.** (b) subtraction
**18.** (d) below
**19.** high
**20.** depth
**21.** (b) No
**22.** Cartesian coordinate
**23.** (a) True
**24.** (b) False
**25.** (b) remains the same
**26.** subtract; larger
**27.** (a) True
**28.** >
**29.** <
**30.** <
**31.** <
**32.** >
**33.** <
**34.** >
**35.** <
**36.** <
**37.** <
**38.** >
**39.** 0
**40.** 6
**41.** -10
**42.** 15
**43.** -16
**44.** 0
**45.** -2
**46.** 0
**47.** 13
**48.** 0
**49.** *"Your attitude determines your altitude."*




**Lesson 3: *Signed Numbers***
*Negative Numbers*

**1.** rules
**2.** (c) positive
**3.** (d) negative
**4.** (d) division
**5.** positive
**6.** negative
**7.** negative
**8.** positive
**9.** $-1/5$; $-1/5$; $1/-5$; $-1/+5$
**10.** odd (or uneven)
**11.** positive
**12.** +
**13.** +
**14.** +
**15.** -
**16.** -9
**17.** 4
**18.** -120
**19.** 4
**20.** 28
**21.** -8
**22.** -18
**23.** 12
**24.** -12
**25.** *"By attempting the impossible, we may obtain the possible."*




**Lesson 4: *Fundamentals***
*Grouping*

**1.** judged
**2.** hanging out
**3.** positive
**4.** values; morals
**5.** Grouping symbols
**6.** mathematical expression
**7.** parentheses; square brackets; curly brackets;
**8.** two, 2
**9.** order


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**10.** parenthesis
**11.** first
**12.** 2
**13.** addition
**14.** grouping symbols (or parentheses)
**15.** (c) Use of parentheses in order of operations produces a different answer than not using parentheses
**16.** innermost
**17.** 3
**18.** (c) ( )
**19.** (b) [ ]
**20.** 9
**21.** 3 Curly brackets
1 parentheses
2 square brackets
**22.** (d) multiplication
**23.** 24
**24.** 10
**25.** 12
**26.** 24
**27.** 10
**28.** 10
**29.** -18
**30.** -4
**31.** 10
**32.** -16
**33.** -7
**34.** 8
**35.** *"Birds of a feather flock together."*

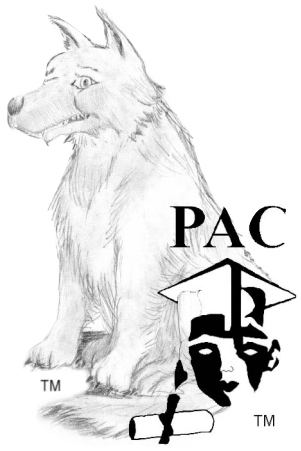


**Lesson 5: *Fundamentals***
*Associative and Distributive Properties*

**1.** Associative, Distributive (any order)
**2.** outcome (or answer)
**3.** life
**4.** Associative
**5.** first
**6.** (a) 2 • 5 + 4 - 6
**7.** distributed
**8.** 40
**9.** 40
**10.** -20
**11.** 42
**12.** letters
**13.** unknown
**14.** 6
**15.** 3
**16.** 10
**17.** 50
**18.** 7
**19.** 14
**20.** 5
**21.** variable
**22.** $(a + b) + c = a + (b + c)$
**23.** $a(b + c) = (a \bullet b) + (a \bullet c)$
**24.** $a(b - c) = (a \bullet b) - (a \bullet c)$
**25.** *"You are judged by the company you keep."*

Ask for your QUIZ over Section 1.
**Reminder:** Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!


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