 <b>SABIS</b> <sup>®</sup>	SABIS <sup>®</sup> School Network	<b>English</b> <b>EFT5F / Grade 5</b>
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## End of Year Revision Guide

### Level G English – Fast Track

#### Reading Comprehension and Literature

Reading comprehension skills will be tested with seen and unseen passages. Students will need to read seen and unseen passages and answer questions about them.

The following reading comprehension and literary skills may be included in the test:

##### Casey at the Bat

Genre: Narrative Poem

- Recognize tone
- Determine theme
- Determine conflict and resolution
- Explain how characters respond to conflicts
- Explain how a series of stanzas fits together to provide the structure of a poem
- Identify and describe elements of plot (exposition, rising action, climax, falling action, and resolution)

##### The Negro National League

Genre: Historical Text

- Summarize text
- Identify main idea and supporting details
- Recognize and explain development of events

##### Comparing Text Structures

Genre: Informational Text

- Recognize and compare different text structures
- Relate structure of a text to its meaning

##### My Father, the Cat

Genre: Fiction

- Describe characters, setting, and plot
- Describe character development
- Identify message or theme
- Identify sequence of events
- Identify key details

##### Solar Eclipses

Genre: Nonfiction

- Recognize cause and effect
- Identify key details

##### Ruby Bridge

Genre: Biography

- Identifying main idea, supporting details
- Connecting main idea and supporting details
- Identifying structure
- Relate illustrations to text

##### The Dare & Spiders

- Identify setting
- Recall details
- Identify characters
- Identify a problem in a story
- Identify plot

**The Red-Headed League**

Genre: Drama

- Recognize features of drama
- Interpret stage directions
- Relate drama structure to plot
- Describe character's traits, actions, and motivation
- Describe conflict and resolution
- Compare and contrast characters
- Identify implied information

**The Adventure of the Solitary Cyclist**

Genre: Mystery

- Recognize narrator
- Identify character traits
- Identify events, conflict, and character motivation
- Compare and contrast characters
- Recognize features of mystery, including clues, foreshadowing, and suspense

**How to Groom a Horse**

Genre: Technical Text

- Understand text features (heading, caption, diagram)
- Use text features to locate information
- Identify procedure and author's purpose
- Recognize sequence and domain-specific words
- Recognize and explain chronology of events

**Black Beauty**

Genre: Fiction

- Determine point of view, character development and setting
- Relate characters' thoughts to development
- Describe characters and theme

**Blue Blazes and the Marring of Him**

Genre: Fiction

- Determine point of view, meaning of words using context clues and theme
- Compare and contrast point of view and characters
- Draw inferences
- Identify and describe characters
- Relate details to theme

## Vocabulary

Below is a list of the vocabulary words that you have been studying. Use your glossary to study the words' definitions. You should know how to do the following with all of the words below:

- Be familiar with all the words from the stories
- Be able to recognize the words used in context (sentences) and identify the correct meaning of the word in a sentence
- Be able to use the words to fill in a blank of an incomplete sentence
- Be able to match vocabulary words to their definitions
- Be able to choose the word that matches a definition
- Be able to write sentences using the vocabulary words

### Casey at the Bat

haughty	straggling
pallor	stricken

### Ruby Bridges

banned	resources
eventually	resist
hostility	justification

### The Negro National League

astounding	permit
dignity	professional
idolized	provided
draw	

### Solar Eclipses

align	portion
altered	secluded
cautious	spectacle
magnificent	

### My Father, the Cat

dread	solemn
ridicule	conviction
status	Engage
impulsive	

### How to Groom a Horse

bond	sensitive
welfare	reacts
groom	

### The Adventure of the Solitary Cyclist

abduction	inherit
assured	investigate
complicated	mock
custody	repulsive
fate	solitary
faulty	

### Black Beauty

coaxing	spoil
saddle	fearless
ignorant	vain

### Blue Blazes and the Marring of Him

content	heritage
obscure	maliciously
lured	peculiar
crucial	

**The Red-Headed League**

comply	discern
considerable	endeavor
contemplation	interfere
detected	tenacious


**Writing**

Be able to write a narrative essay. You will be given a prompt. You will need to respond to the prompt using the narrative essay style. You will also be provided with a rubric that you can use to construct your essay. You will use a few minutes at the end of the test to neatly make revisions and corrections. Your essay will be graded on the following writing traits:

- Ideas
- Organization (Structure)
- Organization (Ideas)
- Conventions of Standard English

**Grammar**

- **Unit 8:** Verbs The Passive Voice
- **Unit 9:** Adverbs
- **Unit 11** More Abstract and Collective Nouns
- **Unit 12:** Plurals
- **Unit 13:** Pronouns: Personal and Reflexive
- **Unit 14** Indefinite Pronouns
- **Unit 15** Relative Pronouns
- **Unit 16:** Mastering the Sentence Types
- **Unit 17:** Compound Sentences and Coordinating Conjunctions
- **Unit 18** Complex Sentences and Subordinating Conjunctions
- **Unit 19** Correlative Conjunctions
- **Unit 22:** Focus on Adjectives Comparative and Superlative
- **Unit 23:** Focus on Adverbs Comparative and Superlative
- **Unit 24:** Focus on Punctuation Capitals, Periods, and Commas

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## End of Year Revision Guide

### Level G English

#### Reading Comprehension and Literature

Reading comprehension skills will be tested with unseen passages. Students will need to read unseen passages and answer questions about them.

The following reading comprehension skills may be included on the test:

#### Casey at the Bat

Genre: Poem

- Identify unknown words and determine meaning using context clues.
- Determine appropriate context for homonyms.
- Identify setting.
- Identify and explain elements of plot.
- Describe plot of narrative poem.
- Identify conflict and resolution.
- Relate structure of poem and meaning.
- Summarize text.
- Describe character.
- Identify sequence of events.
- Relate character's actions to development.
- Determine and explain theme.
- Recognize rhyme and rhythm.
- Relate structure to meaning.
- Relate literary elements to media interpretation.
- Examine impact of media elements on text.

**The American Bison: A Survivor**

Genre: Nonfiction

- Identify synonyms.
- Identify antonyms.
- Identify unknown words and determine meaning using context clues.
- Identify and explain events.
- Recognize and explain development of events.
- Recognize and explain chronology.
- Determine author's point of view and supporting evidence.
- Determine and defend opinion using supporting reasons.

**Alice's Adventures in Wonderland**

Genre: Fantasy

- Identify unknown words and determine meaning using context clues.
- Identify character traits and actions.
- Describe character.
- Describe character motivation.
- Identify events.
- Identify conflict
- Recognize chapters and relate to plot.
- Describe point of view and style.
- Relate literary elements to media interpretation.
- Compare and contrast text and multimedia interpretation.

**Home Is Where They Send You: The Rise and Fall of Orphanages**

Genre: Nonfiction

- Identify unknown words and determine meaning using context clues.
- Determine supporting evidence.
- Determine author's point.
- Determine main idea and supporting details.
- Identify and explain events.
- Create graphic organizer and relate to text.

**Tales of the Orphan Trains**

Genre: Nonfiction

- Determine topic in multiple texts.
- Determine similarities and differences in authors' points of view among multiple texts.
- Determine main idea and supporting details.
- Summarize text.
- Integrate information from several texts on the same topic.
- Locate relevant information.

**Daddy-Long-Legs**

Genre: Realistic Fiction

- Identify unknown words and determine meaning using context clues.
- Describe and interpret point of view.
- Recognize narrator.
- Recognize features of realistic fiction.
- Recognize and describe character.
- Describe setting.
- Compare and contrast settings.
- Identify character motivation.
- Relate character's thoughts to character development.

**A Look At Crime Scene Investigation**

Genre: Nonfiction

- Identify unknown words and determine meaning using context clues.
- Determine topic.
- Recognize sequence.
- Recognize and explain development of events.
- Identify key details.
- Determine meaning of words and phrases.
- Summarize text.

**The Adventure of the Solitary Cyclist**

Genre: Mystery

- Identify unknown words and determine meaning using context clues.
- Determine synonyms and antonyms.
- Recognize features of mystery, including clues, foreshadowing, and suspense.
- Describe events.
- Recognize narrator.
- Identify character traits.
- Identify sequence of events.
- Describe characters.
- Compare and contrast characters.

**The Red-Headed League**

Genre: Drama

- Identify unknown words and determine meaning using context clues.
- Determine synonyms and antonyms.
- Recognize prefixes, suffixes, and roots.
- Recognize sequence of events.
- Identify key details.
- Identify implied information.
- Describe characters.
- Recognize features of drama.
- Interpret stage directions.
- Describe plot.
- Relate drama structure to plot.
- Compare and contrast stories – settings, narrators.
- Compare and contrast characters.



**Solar Eclipses**

Genre: Nonfiction

- Identify unknown words and determine meaning using context clues.
- Recognize Greek and Latin roots.
- Recognize structure (comparison, cause and effect, problem and solution).
- Recognize topic.
- Relate structure to topic.
- Examine structure of two or more texts.
- Compare and contrast structure of texts.
- Evaluate structures.
- Recognize cause and effect.
- Identify key details.
- Integrate information from several texts on same topic.
- Locate relevant information.

**Bud Not Buddy**

Genre: Novel

- Determine main idea and supporting details
- Identify and describes character's traits, actions, and motivations
- Identify events and conflicts
- Compare and contrast characters, settings, and events
- Recognize chapters and relate to plot

**Vocabulary with unseen passages**

- Identify unknown words and determine meaning using context clues

**Vocabulary**

- Be familiar with all vocabulary words from the stories
- Be able to recognize the words used in context
- When given a choice of words, be able to fill in a blank of an incomplete sentence with an appropriate vocabulary word
- Be able to match words and definitions from a list
- When given a list of vocabulary words, be able to select some of the words and use each word in an original sentence that demonstrates its meaning
- Be able to identify the correct synonym and antonym of a given word
- Be able to choose the correct definition using context clues

**Casey at the Bat**

haughty	straggling
pallor	stricken

**The American Bison: A Survivor**

criticized	habitat
decrease	inaccurate
edible	protested
estimated	

**Alice's Adventures in Wonderland**

anxiously	inquisitively
commotion	offended
disappointment	soothing

**Home Is Where They Send You:****The Rise and Fall of Orphanages**

constantly	native
convinced	observe
desperate	properly
founded	wealthy
ideal	

**Daddy-Long-Legs**

detests	influential
distressing	precision
genuine	smugly
gratitude	stimulating

**A Look At Crime Scene Investigation**

analyze	mislead
bystanders	testimony
evidence	

**The Adventure of the Solitary Cyclist**

abduction	inherit
assured	investigate
custody	mock
fate	repulsive
faulty	solitary

**The Red-Headed League**

comply	discern
considerable	endeavor
contemplation	interfere
detected	tenacious

**Solar Eclipses**

align	portion
altered	secluded
cautious	spectacle
magnificent	

## Writing


Be able to write a narrative essay. You will be given one prompt about *Bud not Buddy*. You will need to respond to the prompt using the above essay style. You will also be provided with a rubric that you can use to construct your essay. You will use a few minutes at the end of the test to neatly make revisions and corrections. Your essay will be graded on the following writing traits:

### Narrative Essay

- Ideas
- Organization
- Fluency and Word Choice
- Conventions of Standard English

## Grammar

- **Unit 8:** Verbs The Passive Voice
- **Unit 9:** Adverbs
- **Unit 11** More Abstract and Collective Nouns
- **Unit 12** Plurals
- **Unit 13** Pronouns Personal and Reflexive
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- **Unit 22** Focus on Adjectives: Comparative and Superlative
- **Unit 23** Focus on Adverbs: Comparative and Superlative
- **Unit 24** Focus on Punctuation: Capitals, Periods, and Commas
- **Unit 25** Apostrophes and Quotation Marks
- **Unit 27** Interjections, Fragments, and Run-on Sentences

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## End of Year Revision Packet

### Highlights:

- Work with the value and place value of a digit in a number up to 12 digits.
- Write a number up to 12 digits in words, in expanded form, and in standard form.
- Round to a given place value.
- Compare and order numbers.
- Add and subtract (trade). Estimate sums and differences.
- Apply the properties of addition and subtraction.
- Use the terminologies of multiplication and division.
- Memorize the multiplication facts up to  $12 \times 12$ .
- Divide by a single-digit number with a remainder and a single-digit quotient.
- Apply the properties of multiplication and division.
- Work with addition and multiplication fact families.
- Find the unknown in an equation.
  
- Find equivalent fractions.
- Express fractions in simplest form.
- Compare mixed numbers.
- Add and subtract fractions and mixed numbers.
- Multiply a fraction by a whole number.
  
- Apply the 5 stages for solving a word problem.
- Identify the appropriate method to solve a word problem.
- Solve equations using properties of equality.
- Work with number patterns and find the rule that a given pattern follows.
- Complete arithmetic, geometric, and Fibonacci sequences.
- Complete patterns given in a diagram, a graph, or a table.
  
- Multiply numbers by multiples of 10.
- Estimate products and quotients.
- Multiply whole numbers.
- Find the factors and multiples of a whole number.
- Find perfect squares and perfect cubes.
- Recognize prime and composite numbers.
- Recognize odd and even numbers.
- Apply the divisibility rules.

- Find the least common denominator and add or subtract fractions with unlike denominators.
- Multiply fractions.
- Round, add, subtract, and multiply mixed numbers.
- Estimate sums and differences involving mixed numbers.
- Divide unit fractions.
- Find a number given a fraction of it.
  
- Define line, ray, and line segment.
- Define and use the proper terminology of angles. Name the different parts and the different types of angles.
- Define parallel, intersecting, and perpendicular lines.
- Measure angles. Define protractor. Draw angles with different measures.
- Classify adjacent, complementary, and supplementary angles.
- Define polygons and regular polygons. Know how to name them according to their number of sides.
- Define triangles and classify them according to their number of sides or angles.
- Define quadrilaterals and know their additional properties.
- Understand the usage of the coordinate plane to plot or read the coordinates of a point in the first quadrant.
- Find lengths on a coordinate plane.
- Work with patterns.
- Understand the idea of a plane. Understand three dimensional figures.
  
- Understand value and place value in a decimal.
- Locate a decimal on a number line.
- Convert between different forms of a decimal.
- Compare and order decimals.
- Round decimals to the nearest whole number, tenth, or hundredth.
- Estimate sums and differences of decimals.
- Add and subtract decimals.
- Apply the order of operations to evaluate expressions with decimals. Work with patterns involving decimals.
- Multiply decimals by powers of ten, multiples of ten, whole numbers, and decimals.
- Estimate decimal products.
- Estimate decimal quotients.
- Divide a decimal by a whole number and a multiple of ten.
- Divide whole numbers.
- Divide decimals by decimals.
- Evaluate expressions involving decimals.

- Measure length and distance using the metric units.
  - Convert between different standard units of length.
  - Define mass and identify the tools and units used to measure mass.
  - Estimate the capacity of a given object, and convert between units of capacity.
  - Differentiate between capacity and volume. Convert between liters and cubic units.
  - Understand length, weight, mass, capacity, and the units used to measure them.
  - Understand different units of time and convert between them.
  - Find the elapsed time between two intervals.
  - Work with time zones, calendars and timelines.
  - Recognize and work with line plots.
- 
- Find the perimeter of a closed plane figure.
  - Solve word problems involving perimeter.
  - Find the area of a rectangle.
  - Compare figures that have same area and different perimeters or different areas and same perimeter. Estimate areas.
  - Find the volume of a rectangular prism by filling it with unit cubes or using the  $L \times W \times H$  formula in direct applications or in context.
  - Find the volume of a rectangular prism by using the area of its base in direct applications or in context.

**Vocabulary:**

- Place value, Value, Digit, Units, Tens, Hundreds, Thousands, Ten thousands, Hundred thousands, Millions, Ten millions, Hundred millions, Billions, Ten billions, Hundred billions, Standard form, Expanded form, Round, Compare, Order
- Addition, Subtraction, Addend, Minuend, Subtrahend, Sum, Difference, Trade, Estimation, The identity property of addition, The commutative property of addition, The associative property of addition, The use of parentheses
- Multiplication, Times, Product, Factor, Multiplication table, Division, Dividend, Divisor, Quotient, Remainder, The zero property of multiplication, The identity property of multiplication, The commutative property of multiplication, The associative property of multiplication, The distributive property
- Number sentence, Numerical expression, Algebraic expression, Equation, Constant, Variable, Operation, Addition fact family, Multiplication fact family, Unknown
- Fraction, Part of a whole, Numerator, Denominator, Half, Third, Quarter, Ratio, Equivalent fractions, Canceling, Simplest form, Mixed number, Proper fraction, Improper fraction, Unit fraction
- Word phrase, Word problem, Plus, Minus, More, Less, Increased, Decreased, Reduced, Doubled, Missing information, Unnecessary information, Key words, Diagram, Sub-goal, Working backwards, Trial and error, Organized list
- Natural numbers, Integers, Number pattern, Arithmetic sequence, Geometric sequence, Counting, Fibonacci sequence, Pattern, Input/output table
- Factor, Multiple, Even, Odd, Prime, Composite, Perfect square, Perfect cube, Divisible
- Least common denominator
- Line, Line segment, Ray, Parallel, Perpendicular, Intersecting, Protractor, Angle, Acute, Obtuse, Right, Straight, Adjacent, Complementary, Supplementary, Equilateral, Isosceles, Scalene, Equiangular, Parallelogram, Rectangle, Rhombus, Square, Trapezoid, Coordinate plane, Prism, Pyramid, Cylinder, Cone, Sphere, Three-dimensional figure, Edge, Corner, Vertex
- Power of ten, Multiple of ten

- Metric System, Meter, Centimeter, Millimeter, Kilometer, Mass, Milligram, Gram, Kilogram, Ton, Scale, Balance, Liter, Centiliter, Milliliter, Capacity, Volume, Customary units, Inches, Feet, Yards, Miles, Ounce, Pound, Fluid ounces, Cups, Pints, Quarts, Gallons, Teaspoon, Tablespoon
- Elapsed time, Coordinated Universal Time (UTC), Greenwich Mean Time (GMT), Calendar, Day, Month, Standard year, Leap year, Timeline
- Line plot
- Perimeter, Area, Volume, Cubic unit, Base area, Length, Width, Height



**Level G Revision Exercises:****Ch. 1 Whole Numbers and the Four Operations****Section 1 Whole Numbers**

- In the number 493,268,704,518, which digits are in the:
  - thousands period?
  - millions period?
  - ones period?
  - billions period?
- Round each of the following numbers to the place value of the underlined digit.
  - 21,521
  - 322,698
  - 698,589
  - 182,596
- Write  $<$ ,  $>$ , or  $=$  in each box to make the statement true.
  - 6,943  6,493
  - 2,110  2,211
  - 17,132  1,372
  - 2,000,000  two million

**Section 2 Addition and Subtraction**

- Compute.
  - $204 + 6 + 1,973 + 2,869$
  - $15,052 - 6,864$

- Estimate by rounding to the nearest 10,000.

- $1,022,090 - 198,785$
- $698,643 + 369,227$

**Section 3 Multiplication and Division**

- Fill in the blanks.

- $7 \times 7 = \underline{\hspace{2cm}}$
- $12 \times 8 = \underline{\hspace{2cm}}$
- $12 \times 7 = \underline{\hspace{2cm}}$
- $7 \times \underline{\hspace{2cm}} = 63$

- Simplify.

- $48 \div 8 \div 2$
- $12 + 48 \div 4 \times 2 - 3$

**Section 4 Number Sentences**

- Write the addition fact family of each set of three numbers.

- 9, 1, and 10
- 4, 3, and 7

- Give a value of  $n$  that makes the equation false.

- $11 + n = 15$
- $35 \div n = 7$
- $1 \times n = 8$

**Chapter Summary** TB read pages 42 - 45

**Chapter Test** TB pages 46 - 48

**Ch. 2 Fractions****Section 1 Identifying Fractions**

10. Write each fraction using numbers.

- a) One ninth      b) Two thirds      c) Four fifths

11. Order the fractions from smallest to largest.

$$\frac{2}{6}, \frac{3}{6}, \frac{5}{6}, \frac{1}{6}$$

**Section 2 Equivalent Fractions**

12. In each of the cases below, give the number that could replace the letter to make each statement true.

a)  $\frac{3}{4} = \frac{n}{8}$       b)  $\frac{2}{3} = \frac{10}{m}$

**Section 3 Operations on Fractions**

13. Add.

a)  $\frac{1}{4} + \frac{1}{4}$       b)  $\frac{1}{6} + \frac{4}{6}$       c)  $\frac{3}{8} + \frac{1}{8}$

14. Subtract. Express your answer in lowest terms.

a)  $8\frac{9}{10} - 3\frac{6}{10}$       b)  $6\frac{5}{8} - 3\frac{3}{8}$       c)  $6\frac{4}{16} - 2\frac{7}{16}$

15. Compute. Express your answer in lowest terms.

a)  $8 \times \frac{12}{64}$       b)  $7 \times \frac{1}{7}$       c)  $5 \times \frac{3}{25}$

16. Rewrite as an improper fraction.

a)  $5\frac{3}{10}$       b)  $8\frac{1}{4}$       c)  $3\frac{3}{11}$

17. Order the mixed numbers  $3\frac{3}{4}$ ,  $2\frac{3}{4}$ ,  $2\frac{2}{4}$ ,  $3\frac{4}{8}$  from least to greatest.

**Chapter Summary**

TB read pages 75 - 76

**Chapter Test**

TB pages 77 - 78

**Ch. 3 Patterns and Algebra****Section 1 Solving Equations**

18. Solve and check your answer.

a)  $x + 12 = 26$

b)  $y \div 5 = 11$

c)  $12 \times z = 96$

19. Katy divided her diving time into 20-minute periods. There were 5 periods in all. How many minutes did she spend diving? Write an equation and solve.

**Section 2 Word Problems**

20. Angela added a number to 58 and she obtained a sum of 96. What number did she add?

21. Amelia has \$29. The dollhouse and the doll set she likes cost \$46. How much more money does she need to be able to buy the doll and the dollhouse that she likes?

**Section 3 Problem Solving Methods**

22. Luisa had \$18. She bought a chocolate bar for \$3, candy for \$2, and a ribbon for her hair. She was left with \$8. What amount of money did she spend altogether?

23. Solve the following using a diagram: Jacob has \$56 more than Selma. If Selma has \$35, what amount of money does Jacob have?

24. Mason collected stamps. He gave 5 away to his brother and half of what remained to his sister. Then he lost 3. How many stamps did Mason have to begin with if he only has 9 stamps remaining?

25. Diana has \$32. She spent  $\frac{1}{4}$  of the amount she has. How much money does she have left?

26. Each van can carry 10 people. What is the smallest number of vans needed to carry 52 people?

**Section 4 Number Patterns**

27. For each sequence, identify the rule and find the next two terms.

a) 6, 8, 12, 18, 26, ...

b) 400, 200, 100, ...

c) 414, 410, 406, 402, ...

**Chapter Summary** TB read pages 113 - 114

**Chapter Test** TB pages 115 - 118

**Ch. 4 Working with Whole Numbers****Section 1 Multiplication****28.** Multiply.

a)  $8 \times 39$

b)  $216 \times 84$

c)  $316 \times 39$

**29.** Cookies have 10 calories in one gram. How many calories would be in a cookie weighing 14 grams? How many calories are in a packet of cookies if there are 24 cookies in a packet?

**Section 2 Division****30.** Divide.

a)  $94 \div 2$

b)  $6,020 \div 3$

c)  $1,090 \div 52$

**31.** Divide mentally.

a)  $800 \div 4 =$

b)  $3,900 \div 3 =$

c)  $160 \div 8 =$

d)  $920 \div 46 =$

e)  $240 \div 6 =$

f)  $81,000 \div 9 =$

**32.** I am a number. If you divide me by 72, you get 19.  
What number am I?

**Section 3 Factors and Multiples****33.** Give all the factors of:

a) 36    b) 18    c) 68

**34.** Give the 3<sup>rd</sup> and 5<sup>th</sup> multiples of 7.**35.** Circle the even numbers and underline the odd numbers.

2    3    8    13    14    18    19    23    28

**36.** Place a check mark if the number is divisible by the number on the top row.

Divisible by	2	3	4	5	6	9	10
124							
250							
105							
324							
500							

**37.** Find the smallest prime number greater than 350.**Chapter Summary**

TB read pages 153 - 155

**Chapter Test**

TB pages 156 - 158

**Ch. 5 Exploring Fractions****Section 1 Fractions with Unlike Denominators****38.** Add/Subtract.

a)  $\frac{3}{5} + \frac{1}{2}$

b)  $\frac{5}{6} - \frac{1}{3}$

**39.** On a sunny day, Ryan ate  $\frac{7}{10}$  of a corn of ice cream, and Marita ate  $\frac{1}{4}$  of the same size corn. How much more did Ryan eat?

**Section 2 The Least Common Denominator****40.** By finding the LCD, compare and then order each set of fractions.

a)  $\frac{4}{5}$ ,  $\frac{1}{10}$ , and  $\frac{3}{6}$

b)  $\frac{7}{8}$ ,  $\frac{3}{4}$ , and  $\frac{5}{6}$

**41.** Martha cut a ribbon of  $4\frac{7}{12}$  inches long. Jasmine cut a rope of  $7\frac{1}{4}$  inches long. How many inches longer is the rope than the ribbon?

**42.** Add or subtract.

a)  $\frac{3}{5} + \frac{1}{4}$

b)  $\frac{3}{4} - \frac{1}{3}$

**Section 3 Multiplying Fractions****43.** Express in lowest terms.

a)  $\frac{2}{9} \times \frac{3}{8}$

b)  $\frac{2}{14} \times \frac{7}{8}$

c)  $\frac{7}{12} \times \frac{4}{15} \times \frac{5}{7}$

**44.** Rolando had  $\frac{6}{8}$  L of water in his bottle. He drank  $\frac{1}{2}$  of the amount and then  $\frac{1}{8}$  of it. How much was left?

**Section 4 Mixed Numbers****45.** Estimate.

a)  $9\frac{5}{7} + 3\frac{4}{5} - 2\frac{8}{11}$

b)  $13\frac{1}{6} - 2\frac{4}{7} + 3\frac{5}{12}$

**46.** Evaluate.

a)  $1\frac{5}{7} \times 1\frac{3}{18}$

b)  $2\frac{5}{14} \times 3\frac{2}{11}$

**47.** Sarah had \$20. She bought candy for  $\$2\frac{1}{2}$ , a drink for  $\$3\frac{1}{2}$ , and a cake. She had \$3 left. How much did she pay for the cake?

**Section 5 Dividing unit Fractions and Whole Numbers**

**48.** Jane is painting a small storage room. She needs  $\frac{1}{6}$  of a gallon to paint the whole room. What fraction of a gallon will she need for each of the 4 walls if she uses the same amount of paint on each? Show your work and draw a diagram to illustrate.

**49.** Divide. Simplify your answer.

a)  $\frac{1}{2} \div 10$     b)  $\frac{7}{11} \div 22$     c)  $15 \div \frac{1}{3}$

**Chapter Summary**

TB read pages 215 - 216

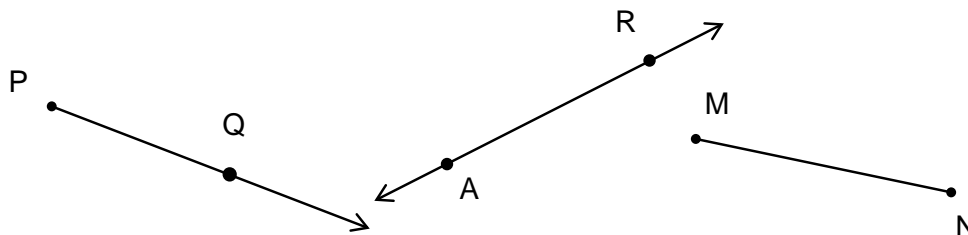
**Chapter Test**

TB pages 217 - 219

**Ch. 6 Geometry**

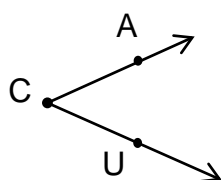
**Section 1 Lines, Rays, Line Segments, and Angles**

**50.** Give the name of each figure and tell whether it is a line, line segment, or a ray.

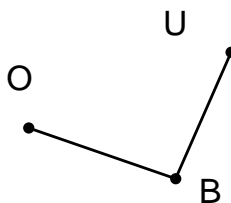


**51.** Measure each angle and tell whether it is acute, obtuse, right, or straight.

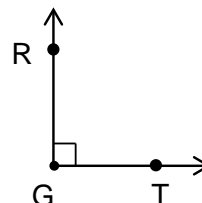
a)



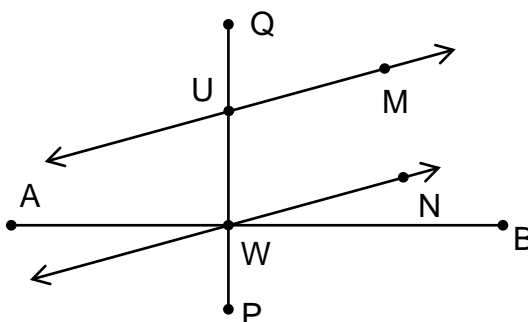
b)



c)

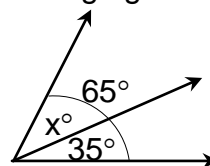
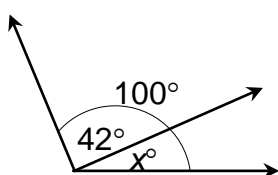


52. Name a pair of lines that appear parallel, a pair of lines that appear perpendicular, and a pair of intersecting lines that are not perpendicular.



Section 2 **Angle Measures**

53. Find the value of  $x$  in each of the following figures.



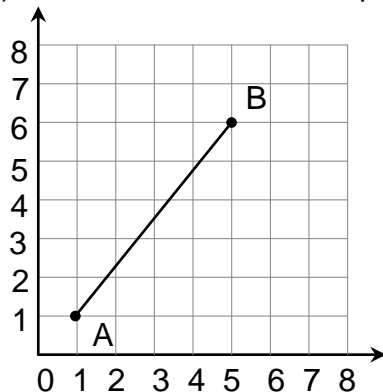
54. What is the measure of the complement of the angle with a measure of  $47^\circ$ ?

Section 3 **Plane Figures**

55. Answer as True or False.
- A rhombus is always a square.
  - A rhombus is sometimes a square.
  - A square is always a rhombus.
  - A trapezoid is sometimes a parallelogram.
  - A rectangle is sometimes a square.
  - A square is always a rectangle.
56. a) Draw triangle ABC with  $BC = 3$  cm,  $m\angle B = 40^\circ$ , and  $m\angle C = 40^\circ$  and then use a protractor to find the measure of  $\angle A$ .  
b) What can be said about triangle ABC?

Section 5 **The Coordinate Plane**

57. a) Give the coordinates of points A and B.

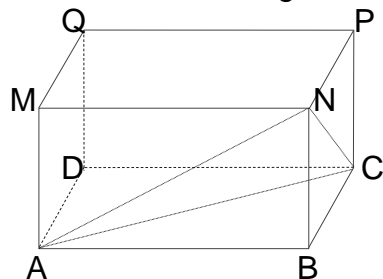


b) Give the coordinates of the points that are 2 units above, below, left, and right of B.

c) If ABC is a right triangle with C the right angle, what are the possible coordinates for C?

Section 6 **Solids**

58. Use the below figure to answer the following.



- Name a plane that contains the two points Q and P.
- Name a plane that is parallel to plane MNPQ.
- Name a plane that intersects plane ABCD but that is not perpendicular to it, and name the line where they intersect.
- Name a plane that is perpendicular to plane MNPQ.

**Chapter Summary** TB read pages 33 - 38**Chapter Test** TB pages 39 - 42





**Ch. 8 Measurements and Data****Section 1 Metric Units**

71. List 840 mg, 8,400 g, 840 kg, and 8.4 t in order from greatest to least.
72. An empty container with a capacity of 40 L is to be filled with a number of smaller bottles of water, each with capacity 800 mL. How many small bottles are required to fill the empty container with water?
73. What unit would you choose to measure the mass of each of the following items? (Choose from kg, g, and mg)
- |                  |                 |
|------------------|-----------------|
| a) A human hair  | b) A copy book  |
| c) A water melon | d) A television |

**Section 2 Customary Units**

74. Order the following three measurements from greatest to least.  
2 mi and 3,300 yd      3 mi and 55 ft      2 mi and 4,620 ft
75. Express in fluid ounces.  
a) 2 gallons      b) 36 quarts      c) 50 pints
76. Adam bought 3 pounds of apples, 2 pounds and 6 ounces of oranges, 12 ounces of strawberries, and 1 pound of mangoes. What is the total weight of all the fruit that Adam bought?

**Section 3 Other Units**

77. Compute.  
a) 2 hr 42 min + 6 hr 33 min      b) 20 hr 14 min – 12 hr 30 min
78. It took from 6:18 P.M. until 7:05 P.M. to develop photos. How long did it take to develop the photos?

**Section 4 Line Plot**

79. The weights of 20 students, in kilograms, are 45, 45, 45, 45, 46, 46, 47, 47, 49, 49, 49, 50, 50, 51, 51, 53, 53, 54, 55, and 58. Represent these weights using a line plot.

**Chapter Summary**      TB read pages 144 - 147

**Chapter Test**      TB pages 148 - 152

**Ch. 9 Geometric Measurements****Section 1 Perimeter**

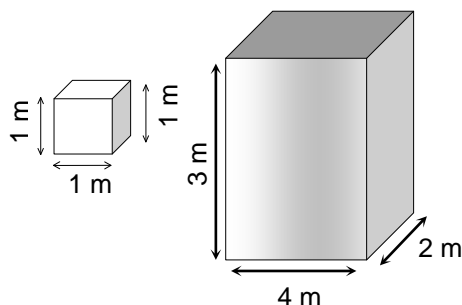
- 80.** Find the perimeter of a rectangle with a length of 45 cm and a width of 9 cm.
- 81.** What is the perimeter of an equilateral triangle if each side measures 15 inches?

**Section 2 Area of a Rectangle**

- 82.** Find the area and perimeter of a rectangle with a length of 10 in. and a width of 14 in.
- 83.** One rectangle has a length of 12 ft and a width of 4 ft. Give the length and width of another rectangle whose area is the same but which has a different perimeter.

**Section 3 Volume**

- 84.** How many  $1 \text{ m}^3$  cubes will completely fill the rectangular box below?



- 85.** The length, width, and height of a rectangular prism are 10 cm, 12 cm, and 20 cm respectively. Find the volume of the prism.

**Chapter Summary**

TB read page 166

**Chapter Test**

TB pages 167 - 168



## **Term 2 End of Year Revision Sheet**

### Level G Science

#### **SABIS® EXPLORING THE WORLD OF SCIENCE EARTH AND SPACE TEXTBOOK AND WORKBOOK LEVEL G**

##### **Ch.2 Natural Resources S2.1**

*Key terms: minerals, natural resource, ores, smelting*

1. Explain what minerals are.
2. Define natural resources and give examples.
3. Identify properties of minerals and give examples.
4. Defines ores and identify where they are removed from.
5. Identify the main steps of mineral processing.

#### **SABIS® EXPLORING THE WORLD OF SCIENCE PHYSICAL SCIENCE TEXTBOOK AND WORKBOOK LEVEL G**

##### **Ch.2 Characteristics of Matter S2.1**

*Key terms: boiling point, conductivity, density, mass, melting point, physical change, physical property, solubility, volume, weight*

1. Define and give examples of physical properties.
2. Recognize how physical properties are observed and measured.
3. Distinguish between mass and weight.
4. Identify the tools used to measure mass and weight and their units.
5. Recognize that the mass of an object is equal to the total mass of all its parts.
6. Define volume and identify its units, and explain how to find the volume of solids.
7. Define density and relate it to the type of substance.
8. List three examples that help identify matter and recognize that they are independent of the size of the sample.
9. Define and give examples of conductivity and solubility.
10. Define and give examples of melting point and boiling point.
11. Recognize properties of physical changes, and give examples.

## **Ch.2 Characteristics of Matter S2.2**

*Key terms:* chemical change, chemical property, chemical reaction, combustible

1. Relate chemical changes to chemical reactions and give examples.
2. Recognize that matter changes identity after a chemical reaction, and base your explanation on the example of burning paper.
3. List the signs of a chemical change and give examples.
4. Define and give examples of chemical properties.
5. Recognize that matter is conserved in chemical changes.
6. Recognize that temperature can affect the speed of a chemical change.

## **Ch.2 Characteristics of Matter S2.4**

*Key terms:* Condensation, freezing, gas, liquid, melting, particles, solid, vaporization

1. List the three states of matter and recognize how they depend on temperature and on the motion of particles.
2. Define a solid and describe the motion of its particles.
3. Define a liquid and describe the motion of its particles.
4. Define a gas and describe the motion of its particles.
5. Define vaporization and recognize the behavior of particles during vaporization.
6. Relate evaporation and boiling to vaporization.
7. Define condensation and describe the behavior of particles during condensation.
8. Describe the behavior of particles during melting and freezing.
9. Recognize that a substance melts and freezes at the same point.

## **Ch.3 Thermal, Light, and Sound Energy S3.3**

*Key terms:* absorption, electromagnetic spectrum, lens, reflection, refraction, shadow, visible light

1. Describe electromagnetic waves and the electromagnetic spectrum.
2. Compare the different types of electromagnetic waves and the different colors of visible light.
3. Define a shadow and recognize factors that affect its size and shape.
4. Define absorption and relate it to transfer of thermal energy by radiation.
5. Define reflection and recognize when and how light reflects.
6. Recognize why objects appear of different colors.
7. Recognize why and how light refracts.
8. Define lenses and identify their types and uses.

### **Ch.5 Energy Conversions S5.1**

*Key terms:* energy conversion, kinetic energy, mechanical energy, potential energy

1. Define kinetic energy and recognize that it is affected by mass and speed.
2. Define potential energy and recognize that it is due to position or shape.
3. Define mechanical energy and relate it to potential energy and kinetic energy.
4. Identify conversions between different forms of energy.

### **Ch.5 Energy Conversions S5.2**

*Key terms:* chemical energy, nonrenewable resource, photosynthesis, renewable resource, solar energy

1. Distinguish between renewable and nonrenewable resources and give examples of each.
2. Define chemical energy and recognize that it can change into other types of energy.
3. Distinguish between different types of fuels and give examples.
4. Recognize how light energy from the sun is useful to Earth.
5. Recognize how energy from the sun causes winds and water cycle on Earth.
6. Recognize how solar energy is converted into other forms of energy.
7. Define wind energy and explain how it can change into other forms of energy.
8. Identify the advantages and disadvantages of different energy resources.

### **Ch.5 Energy Conversions S5.3**

*Key terms:* conservation of energy

1. Recognize why electricity is useful.
2. Explain how electricity is transformed into sound energy.
3. Explain how different types of light bulbs work.
4. Explain how electricity is used for heating materials.
5. Recognize how electricity is used for cooling.
6. Explain the law of conservation of energy.

SABIS® EXPLORING THE WORLD OF SCIENCE **LIFE SCIENCE**  
TEXTBOOK AND WORKBOOK LEVEL G

**Ch.4 Classifying Organisms S4.3**

*Key terms:* amphibian, arthropod, invertebrate, mammal, vertebrate

1. List some characteristics of animals.
2. Differentiate between vertebrates and invertebrates.
3. Describe invertebrates and identify arthropods as the largest group.
4. Identify adaptations that allow fish to live in water.
5. Give examples of amphibians and differentiate between young and adult frogs.
6. Give examples of reptiles and list some of their features.
7. List the adaptations of birds that allow them to fly, breathe, and reproduce.
8. List some characteristics of mammals.

**Ch.5 Plants S5.1**

*Key terms:* chlorophyll, leaf, phloem, root, stem, stomata, xylem

1. List the needs of plants and state how they help keep plants alive.
2. Describe the role of leaves in photosynthesis.
3. Describe the role of stomata in leaves.
4. Determine the structure of a stem.
5. Identify the functions of a stem.
6. Identify three functions of roots.
7. Identify two types of roots.

**Ch.5 Plants S5.2**

*Key terms:* embryo, fertilization, flower, fruit, life cycle, pistil, pollen, pollination, runner, stamen

1. Define flower and identify a flower's main parts.
2. Identify the function of the pistil and the stamen.
3. Explain how an embryo forms and develops into a seed.
4. Define fruit and state how it forms.
5. Define life cycle, pollination, and fertilization.
6. Summarize using a diagram the life cycle of an angiosperm.
7. Recognize that gymnosperms reproduce with seeds formed inside cones.
8. Describe how pollination, fertilization, and sprouting occur in gymnosperms.
9. Summarize the life cycle of gymnosperms.

10. Summarize the life cycle of ferns.
11. Explain how some plants can reproduce without eggs and sperm.
12. Give three examples of plants that reproduce without eggs and sperm.

### **Ch.5 Plants S5.3**

*Key terms:* dormancy, tropism

1. Give examples of structural plant adaptations.
2. Identify the adaptations that help plants reproduce successfully by giving examples.
3. Relate stimulus and tropism.
4. Determine how tropism helps plants survive by giving examples.
5. Determine how dormancy helps plants survive.

### **Ch.6 Animals S6.2**

*Key terms:* complete, metamorphosis, direct development, incomplete, metamorphosis, larva, pupa

1. Identify the main stages of an animal's life cycle.
2. Describe how life cycles vary among animals.
3. Define direct development and give an example.
4. Define metamorphosis and give an example.
5. Identify the stages of complete metamorphosis in butterflies.
6. Identify the stages of incomplete metamorphosis.

### **Ch.7 Interactions in Ecosystems S7.1**

*Key terms:* Biodiversity, community, ecosystem, habitat, niche, population

1. Describe how living things are organized in an ecosystem.
2. Define habitat and give an example.
3. Recognize that resources affect the number of organisms that can live in a habitat.
4. Identify the importance of having different niches.
5. Relate the climate and resources of an ecosystem to its biodiversity.



## **Ch.7 Interactions in Ecosystems S7.2**

*Key terms:* Consumers, decomposers, energy pyramid, food chain, food web, predator, prey, producers

1. Describe producers.
2. Identify consumers.
3. Classify the different kinds of consumers and give examples.
4. Describe the predator-prey relationship.
5. Describe the role of decomposers in an ecosystem.
6. Describe the energy flow in a food chain.
7. Relate food chains to food webs.
8. Explain how an energy pyramid models the amount of energy available to producers and consumers.

## **Ch.7 Interactions in Ecosystems S7.3**

*Key terms:* Carbon dioxide-oxygen cycle, nitrogen cycle

1. Describe the nitrogen cycle.
2. Describe the carbon dioxide-oxygen cycle.



**Collegiate Charter School of Lowell**  
*SABIS® School Network*

**Social Studies**  
**Level G / Grade 5**

### Term 2 Study Guide

HM: United States History Ch. 6-9, and Cumulative

#### Cumulative

- ✓ Understand the history of the people of North America began with American Indians
- ✓ Understand how agriculture affected the Paleo-Indians
- ✓ Understand that explorers started to look for new routes to Asia
- ✓ Understand that colonies started in America. Some succeeded, others did not
- ✓ Choose a colony and describe what life was like there (Roanoke, Jamestown, Plymouth or Massachusetts Bay)
- ✓ Be able to analyze primary sources

#### Know the following key terms from Chapter 6:

- |                       |                   |              |
|-----------------------|-------------------|--------------|
| • proprietor          | • representative  | • treaty     |
| • free market economy | • free enterprise | • artisan    |
| • laborer             | • apprentice      | • plantation |
| • legislature         | • refugee         | • debtor     |

- Identify the purpose of the colonies of New York and New Jersey.
- Identify the purpose of the colony of Pennsylvania.
- Contrast the colonies of New York and New Jersey to the colony of Pennsylvania.
- Identify what life was like for people in William Penn's colony.
- Identify how Philadelphia became a large city.
- Identify how most people in the Middle Colonies made a living.
- Identify why the Middle Colonies had a free market economy.
- Know why Philadelphia and New York were important cities.
- Identify what many young people did in the towns and cities of the Middle Colonies.
- Identify the first elected legislature in the colonies.
- Identify who the burgesses were.
- Identify the Southern Colonies and the reasons they were founded.
- Understand that establishing the Southern Colonies gave England control of the North American east coast.

#### Know the following key terms in Chapter 7: Revolution and Independence

- |                |             |           |
|----------------|-------------|-----------|
| • ally         | • tax       | • boycott |
| • congress     | • smuggling | • repeal  |
| • rebellion    | • liberty   |           |
| • proclamation | • protest   |           |

- Identify the reason for the French and Indian War

- Know who fought in the French and Indian War and who won
- Know what the Albany Plan was and if the colonies accepted it
- Identify the purpose of the Treaty of Paris
- Identify the purpose of the Proclamation of 1763
- Identify ways Britain tried to raise money after the French and Indian War
- Identify the purpose of the Stamp Act and how colonists felt about it
- Know that the Stamp Act was repealed
- Explain the purpose and significance of the Boston Tea Party
- Identify the purpose of the Townshend Acts and how colonists felt about it
- Identify what the Daughters of Liberty was

### **Know the following key terms in Chapter 8: The War for Independence**

- independence
  - declaration
  - rights
  - treason
  - Loyalist
  - neutral
  - inflation
- 
- Know who wrote *Common Sense* and why this person wrote it.
  - Explain the significance of the Declaration of Independence.
  - Compare and contrast the views of Loyalists and Patriots.
  - Describe how women participated in the War for Independence.

### **Know the following key terms from Chapter 9: Creating a Nation**

- |                       |                |                    |
|-----------------------|----------------|--------------------|
| • constitution        | • citizen      | • territory        |
| • ordinance           | • federal      | • republic         |
| • compromise          | • ratify       | • democracy        |
| • checks and balances | • veto         | • unconstitutional |
| • amendment           | • inauguration | • cabinet          |
| • political party     | • interest     | • capital          |
- 
- Understand the powers and problems the Articles of Confederation had
  - Identify the original purpose of the Constitutional Convention and what it actually ended up doing
  - Discuss the compromises made before ratifying the Constitution
  - Know that 9 states had to ratify the Constitution before it could be used
  - Know that supporters of the Constitution were known as Federalists
  - Understand that many Antifederalists wanted a Bill of Rights added to the Constitution
  - Identify the 3 branches of government and what each does
  - Understand how the Constitution puts limits on the power of government
  - Understand powers that belong to the national government, state government, or both
  - Describe some changes that have been made to the Constitution
  - Know that George Washington was the first President under the Constitution
  - Discuss what Washington accomplished during his presidency