



5

● **Common Core State Standards** ●

Answer Key

Grade 5

- **Math Standards**
- **English Standards**

**Worksheets and Activities
that teach every standard!**

ENGLISH STANDARDS
Pages 4-519

RL.5.1 : Pages 4-11

PAGES 4-5

No answers required.

PAGES 6-9 - OUT ON A LIMB

Use the graphic organizers on these pages to use quotes from text to draw inferences. Answers vary.

PAGE 10 - THE LITTLE PRINCE

Read The Little Prince and answer questions using support from the text.

PAGE 11 - FICTION EVIDENCE

Use this graphic organizer to make inferences and support with details from text.

RL.5.2 : Pages 12-18

PAGES 12-13

No answers required.

PAGES 14-16 - DETERMINING THEME

Use the graphic organizers to determine the theme of piece of writing. Answers vary.

PAGE 17 - HATCHET

Use the worksheet to answer questions about the themes of Hatchet after reading the book.

PAGE 18 - KNUCKLEHEAD

Use the worksheet to answer questions about the themes of Knucklehead after reading the book.

RL.5.3 : Pages 19-32

PAGES 19-20

No answers required.

PAGES 21-24 - CHARACTER COMPARISON

Read the story on pages 21-23 and then answer the questions on page 24. Answers vary according to characters chosen.

PAGES 25-29 - FINDING STORY ELEMENTS

Use the story cards to find elements about a story. Compare using the sort activity. Answers vary.

PAGES 30-32 - COMPARING

Use the graphic organizers to compare characters, settings, and events from stories.

RL.5.4 : Pages 33-43

PAGES 33-34

No answers required.

PAGES 35-41 - FOOD FOR THOUGHT

Match the picture cards to the meaning cards. Use the creative language in sentences on page 40. Page 41 has an answer key for the cards.

PAGE 42 - FIGURING OUT FIGURATIVE LANGUAGE

Top answers:

2 (simile) He turned as white as a ghost.

3 (metaphor) She is an angel.

4 (hyperbole) I had a ton of homework.

5 (alliteration) Peter's piglet pranced priggishly

1 (personification) The flowers danced in the breeze.

Answers on the bottom of the page will vary.

PAGE 43 - METAPHOR OR FIVE

Answers vary when using metaphors to describe people.

RL.5.5 : Pages 44-55

PAGES 44-45

No answers required.

PAGES 46-49 - THINKMARKS

Use the think marks to help focus reading and do the 5 tasks on the bookmark whenever reading. Record answers on the answer sheet on pages 48-49.

PAGES 50-53 - TRAINING DOGS STORIES

Compare and contrast the two stories about training dogs. Fill out the comparison sheet on page 53.

SAMPLE ANSWERS:

Title: A Chat with Dog Trainer Gail Mirabella

Structure of Events: Interview

Information: Mirabella explains about her first dog, how she came to work with the circus, and how she trains dogs.

Author's Purpose: To inform.

Title: Housebreaking Herschel

Structure of Events: Chronological

Information: Dog is abandoned, Todd adopts, Todd trains patiently, Herschel learns.

Author's Purpose: To entertain (and inform?)

PAGE 54 - HOW THINGS FLOW

Use the graphic organizer to explain the flow of a poem, book, or play. Answers vary.

PAGE 55 - ERNEST L. THAYER

After reading Casey at the Bat answer the questions about the poem and its structure.

RL.5.6 : Pages 56-67

PAGES 56-57

No answers required.

PAGES 58-65 - GUESS WHO?

Match the story characters to the narrator in this guessing game. Write about it on pages 63-65. Answers vary.

PAGE 66 - POINT OF VIEW

Use this writing page to explain point of view in a story.

PAGE 67 - POINT OF VIEW

*Read The Secret Garden and write about the point of view used in the story.***RL.5.7 : Pages 68-78**

PAGES 68-69

No answers required.

PAGES 70-73 - WORTH A THOUSAND WORDS

Use the question cards to analyze poetry, text, and the use of images in a piece of writing. Record answers on page 73.

PAGES 74-76 - STORY HELPERS

Use the graphic organizer to describe an illustration and then make your own to complement the story or poem you are reading.

PAGE 77 - MULTIMEDIA ELEMENTS

Discuss how to change a fairy tale into a comic book, song, film, or some other media.

PAGE 78 - MULTIMEDIA ELEMENTS

*Use the graphic organizer to discuss the similarities and differences between a book and a film.***RL.5.9 : Pages 79-85**

PAGES 79-80

No answers required.

PAGES 81-83 - COMPARING THEMES

*Read the two stories and compare/contrast the themes.**Sample answers:**PASSAGE 1: learning about business, talking with teacher**BOTH: wants, needs, boys misbehaving**PASSAGE 2: wanting toys, talking with mother*

PAGE 84-85 - GENRE AND THEME

*Compare and contrast the selected readings. These organizers could be reused for other stories, if needed.***RL.5.10 : Pages 86-92**

PAGES 86-87

No answers required.

PAGES 88-90 - THE OPEN ROAD

Use these graphic organizers to explain what is happening in a drama, story, or poem. Answers vary.

PAGES 91-92 - READING LOGS

*Use these pages to keep track of student reading and genres.***RI.5.1 : Pages 93-98**

PAGES 93-94

No answers required.

PAGES 95-97 - WHAT'S THAT YOU SAY?

Use the graphic organizers to record inferences, main ideas, and supporting details. Answers vary.

PAGE 98 - NONFICTION EVIDENCE

*Use the graphic organizer to record inferences, main ideas, and supporting details in nonfiction. Answers vary.***RI.5.2 : Pages 99-106**

PAGES 99-100

No answers required.

PAGES 101-102 - WHAT'S THE MAIN IDEA?

*Record the main ideas and details from the story in the organizer.**Sample Answers:**MAIN IDEA 1: Lots of Nomura's Jellyfish are appearing near Japan**DETAILS: they're swarming by the millions, one hundred times the usual number, fishermen are under siege**MAIN IDEA 2: Why are they here?**DETAILS: it could be global warming, it could be overfishing, no one really knows**Summaries will vary...*

PAGES 103-104 - AFRICAN WILD DOGS

*Sample answers:**MAIN IDEA 1: African Wild Dogs are not like our pet dogs**KEY DETAILS: they live in Africa, near the Sahara (ours live here in America), They have 4 toes (ours have 5), They are like a wolf and they don't make good pets (they need to be in the wild).**MAIN IDEA 2: African Wild Dogs travel a lot.**KEY DETAILS: They use radio collars to track them (they are very far away!), They run very fast (they can travel far), They range many miles every day to hunt (travel far).**Summaries vary...*

PAGES 105-106 - JELLYFISH INVASION

*Sample answers:**MAIN IDEA 1: Lots of Nomura's Jellyfish are appearing near Japan**KEY DETAILS: they're swarming by the millions (that's a lot!), one hundred times the usual number (100x more than usual), fishermen are under siege (attacked by lots of them)**MAIN IDEA 2: Why are they here?**DETAILS: it could be global warming (climate made them move), it could be overfishing (they have less competition), no one really knows (not really sure why there are more)**Summaries will vary...***RI.5.3 : Pages 107-113**

PAGES 107-108

No answers required.

PAGES 109-111 - TASK CARDS

Use the task cards to determine which method to use to respond to informational text.

PAGES 112-113 - GRAPHIC ORGANIZERS

Use these pages to respond to historical text. Answers vary.

RI.5.4 : Pages 114-139

PAGES 114-115
No answers required.

PAGES 116-137 - ARE YOU SMARTER THAN A 5TH GRADER?
Play the game to practice vocabulary in different subject areas. Keep track of answers on page 137. Refer to the original pages to properly match answers.

PAGES 138-139 - VOCABULARY GRAPHIC ORGANIZERS
Use these graphic organizers to plot out a word's meaning and relationships with other words.

RI.5.5 : Pages 140-147

PAGES 140-141
No answers required.

PAGES 142-145 - COMPARE AND CONTRAST
Use the graphic organizers to compare elements of two texts. Answers vary.

PAGES 146-147 - GRAPHIC ORGANIZERS
Use the graphic organizers to examine text structure. Answers vary according to texts chosen.

RI.5.6 : Pages 148-159

PAGES 148-149
No answers required.

PAGES 150-157 - POSITIVE OR NEGATIVE?
Read the statements about each topic and sort them into positive or negative viewpoints. Write answers on page 156. Answers are on page 157 and are repeated here.

| TOPIC | POSITIVE | NEGATIVE |
|---------------|----------|----------|
| skydiving | S, M | D, A |
| bees | E, Q | C, H |
| tuba | N, B | F, I |
| pictures | J, L | G, O |
| rollerskating | K, S | P, R |

PAGE 158 - A DIFFERENT ACCOUNT
Write about a historical moment in a different point of view.

PAGE 159 - MULTIPLE ACCOUNTS
Read about an event from 2 different viewpoints. Compare and contrast with the graphic organizer.

RI.5.7 : Pages 160-167

PAGES 160-161
No answers required.

PAGES 162-165 - DIGITAL DILEMMA
Use the task cards to complete your research. Write answers on page 165. Answers vary.

PAGE 166 - RESEARCHING A TOPIC
Use 3 sources to research a topic. Write information from all three on the organizer.

PAGE 167 - CREATING QUESTIONS AND ANSWERS
Write 5 questions and answers from 3 sources about a topic.

RI.5.8 : Pages 168-186

PAGES 168-169
No answers required.

PAGES 170-183 - EVIDENCE OLYMPICS
Answer the questions about the 3 stories. Find evidence that helps support the answers. Color-coded answers are on pages 179-183.

PAGES 185-186 - EVIDENCE
Use the 3 graphic organizers to find evidence to back up main points.

RI.5.9 : Pages 187-193

PAGES 187-188
No answers required.

PAGES 189-193 - UMBRELLA TOPICS
Use these graphic organizers to record what you read in multiple texts.

RI.5.10 : Pages 194-202

PAGES 194-195
No answers required.

PAGES 196-200 - ORGANIZE YOUR THINKING
Use these graphic organizers to record what you read in multiple texts.

PAGES 201-202 - NONFICTION READING LOGS
Use these pages to keep track of student reading of nonfiction genres.

RF.5.3 : Pages 203-220

PAGES 203-204
No answers required.

PAGES 205-216 - SCRABBLE
Practice spelling words playing the scrabble game. Then use the words in a sentence on page 216.

PAGE 217-218 - MULTI-SYLLABIC WORDS
 Rewrite the words with dashes between syllables. Color code them according to syllable count. Answers are also on page 218. Please note that there is some regionalization on pronunciation and syllable breaks. Adjust to fit.
 terminate = ter-mi-nate (yellow)
 adequate = ad-e-quate (yellow)
 intensify = in-ten-si-fy (red)
 increasingly = in-crea-sing-ly (red) some might split it as in-creas-ing-ly
 accomplishment = ac-com-plish-ment (red) *some may split it as a-ccom-plish-ment*
 fertilizer = fer-til-i-zer (red)
 harmonica = har-mon-i-ca (red) *some may split it as har-mo-ni-ca*
 companion = com-pan-ion (yellow)
 indestructible = in-de-struc-ti-ble (blue)
 consequently = con-se-quent-ly (red)
 diplomat = dip-lo-mat (yellow)
 supervisory = su-per-vi-so-ry (blue)

PAGE 219-220 - MULTI-SYLLABIC WORDS
 Rewrite the words with dashes between syllables. Color code them according to syllable count. Answers are also on page 220. Please note that there is some regionalization on pronunciation and syllable breaks. Adjust to fit.
 emigration = em-i-gra-tion (red) *some may split it as e-mi-gra-tion*
 democracy = de-mo-cra-cy (red)
 federal = fed-er-al (yellow) *some may split it as fe-der-al*
 negotiation = ne-go-ti-a-tion (blue)
 renaissance = ren-ai-ssance (yellow) *some may split it as ren-ais-sance*
 memorial = me-mo-ri-al (red)
 representation = rep-re-sen-ta-tion (blue)
 documentation = doc-u-men-ta-tion (blue) *some may split it as do-cu-men-ta-tion*
 chronology = chro-nol-o-gy (red) *some may split it as chro-no-lo-gy*
 history = his-to-ry (yellow) *some may split it as hi-sto-ry or as his-tor-y*
 abolition = ab-o-li-tion (red)

RF.5.4 : Pages 221-235

PAGES 221-222
No answers required.

PAGES 223-233 - POWER READERS
Practice reading with fluency, accuracy, and comprehension. Answers to the stories are included on pages 227 and 232. Keep a student record sheet with page 233 to track progress.

PAGES 234-235 - READING WITH FLUENCY
Practice reading these two stories. Keep a student record to see if their oral reading fluency increases with each read over time.

W.5.1 : Pages 236-251

PAGES 236-237
No answers required.

PAGES 238-249 - FRAMING AN OPINION
Use the checklists, planners, and writing pages to write an opinion paper.

PAGES 250-251 - SUPPORTING AN OPINION
Use the graphic organizers to practice supporting an opinion with facts, details, and evidence.

W.5.2 : Pages 252-262

PAGES 252-253
No answers required.

PAGES 254-259 - INFORMATIVE TEXT
Use the graphic organizers to help plan and organize an informative piece of writing.

PAGES 260-262 - INFORMATIVE WRITING
Use the graphic organizers and writing papers to write an informative piece.

W.5.3 : Pages 263-276

PAGES 263-264
No answers required.

PAGES 265-274 - ROLL AND WRITE
Use the dice to randomly choose characters and a setting to write about. Follow the 4 phase plan to prepare to write a story.

PAGES 275-276 - NARRATIVES
Use the planner sheets to write a fictional or real life narrative.

W.5.4 : Pages 277-286

PAGES 277-278
No answers required.

PAGES 279-286 - AUTHOR AT WORK
Use the checklists and planning sheets to help write strong examples of persuasive, informative, or narrative writing.

W.5.5 : Pages 287-294

PAGES 287-288
No answers required.

PAGES 289-292 - STRENGTHEN YOUR WRITING
Use the provided writing pages to write, and then edit using input from your teacher or classmates on the strategy checklist.

PAGES 293-294 - REVISING AND EDITING
Use the checklist and editing marks sheet to help critique and edit another writer's work.

W.5.6 : Pages 295-304

PAGES 295-296
No answers required.

PAGES 297-302 - TYPE IT OUT
Using the writing prompts, type out a story on the computer. Use help as needed.

PAGES 303-304 - TECHNOLOGY CHECKLISTS
Use the technology checklists to track student skills and to help write using technology.

W.5.7 : Pages 305-321

PAGES 305-306
No answers required.

PAGES 307-318 - RESEARCH & REPORT
Choose a topic card and subtopic cards to help plan reports about countries, extinct animals, national parks, or national symbols.
Organizer sheets on pages 317-318 will help plan and organize.

PAGE 319 - RESEARCH PROJECTS
This one page sheet will help plan a research project on an invention.

PAGES 320-321 - SOURCES
Use these two pages to practice making a bibliography of sources cited.

W.5.8 : Pages 322-331

PAGES 322-323
No answers required.

PAGES 324-331 - PASSING NOTES
Practice taking notes with the organizers and writing pages provided.

W.5.9 : Pages 332-341

PAGES 332-333
No answers required.

PAGES 334-339 - SUPPORTING EVIDENCE
Draw one or more task cards and then write about literature or informative texts on the provided writing papers.

PAGES 340-341 - ANALYZING STORIES
Use the graphic organizers to analyze characters and stories.

W.5.9 : Pages 332-341

PAGES 332-333
No answers required.

PAGES 334-339 - SUPPORTING EVIDENCE
Draw one or more task cards and then write about literature or informative texts on the provided writing papers.

PAGES 340-341 - ANALYZING STORIES
Use the graphic organizers to analyze characters and stories.

W.5.10 : Pages 342-368

PAGES 342-343
No answers required.

PAGES 344-359 - WRITE THIS WAY!
Practice Extended writing with these planners, organizers, and writing papers.

PAGES 360-366 - SHORT TERM WRITING
Practice short writing with these planners, organizers, and writing papers.

PAGES 367-368 - WRITING JOURNALS
Keep track of writing in different genres with these journal and log sheets.

SL.5.1 : Pages 369-373

PAGES 369-370
No answers required.

PAGES 371-372 - DISCUSSION GUIDES
Use the organizers to reflect upon and prepare for a discussion about a specific topic. Take notes.

PAGE 373 - COLLABORATIVE DISCUSSIONS
Use this page to record notes about a discussion with peers.

SL.5.2 : Pages 374-382

PAGES 374-375
No answers required.

PAGES 376-381 - CLASS CRITICS
Use the graphic organizers to summarize what you have see or heard.

PAGE 382 - SUMMARIZING
Use this writing paper to summarize what you have heard.

SL.5.3 : Pages 383-388

PAGES 383-384
No answers required.

PAGES 385-387 - LET'S CHAT
Use the bookmarks as conversation starting points, and practice responding to something you have heard, read, or seen with the conversation cards.

PAGE 388 - LISTENING FOR REASONS
Summarize key points and find evidence and support for them in what you have heard.

SL.5.4 : Pages 389-393

PAGES 389-390
No answers required.

PAGES 391-393 - PRESENTING WITH DETAILS AND FACTS
Use the graphic organizers to prepare a presentation or short speech with details backing up main ideas.

SL.5.5 : Pages 394-409

PAGES 394-395

No answers required.

PAGES 396-408 - GET TO THE POWER POINT

Plan a presentation using a slideshow program like Powerpoint. Draw up plans for the presentation using the planning sheets. If you do not have access to this software, blank paper templates have been provided. Drawings can be made and then shown with a document camera or held up for the class as the presentation is given.

PAGE 409 - ADDING AUDTIO AND VISUAL COMPONENTS

This sheet offers suggestions for using technology to create a presentation.

SL.5.6 : Pages 410-417

PAGES 410-411

No answers required.

PAGES 412-416 - USING FORMAL AND INFORMAL SPEECH

Sort the formal and informal speech quotes. Then apply some to the proper situations. Afterward, practice writing some formal and informal speech of your own on page 416, according to one or more of the situation cards.

FORMAL:

It's a pleasure to meet you.
 Yes, that would be agreeable.
 Good Afternoon
 Please be seated.
 I appreciate this.
 Yes, please.
 Could I please get some assistance?
 Greetings, Ladies and Gentlemen.
 I apologize for my error.
 No, thank you.

INFORMAL:

What's up?
 Sure!
 Hi!
 Have a seat.
 Thanks a lot.
 Yeah, sure.
 A little help here!
 Hey, guys!
 Oops, my bad.
 Nah, I'm good.

PAGE 417 - FORMAL VS. INFORMAL

Write examples of proper speech for the four situations listed. Answers vary, but the type of speech should not.

Call the bank = formal

School dance conversation = informal

letter to your neighbor = probably informal, unless they are not very well known to the writer, so it could be formal.

guest speaker letter = formal

L.5.1 : Pages 418-432

PAGES 418-419

No answers required.

PAGES 420-429 - ON THE ROAD TO GOLD

Find the prepositional phrases on the cards. Write the phrases and the prepositions on page 428.

Answers are on page 429 and are also below. Prepositions in the phrases are underlined.

1. from the epee
2. through the water, with all his strength
3. except Sunday
4. on his bicycle, for five hours
5. across the pool
6. over the fence
7. for the center, of the target
8. down the hill, at top speed
9. around the rink
10. behind his partner
11. through he air, above the half-pipe
12. between the flags
13. into the net
14. before breakfast
15. on the podium

PAGE 430 - YOU SAY EITHER, I SAY NEITHER

1. neither, nor
2. either, or
3. either, or
4. neither, nor
5. either, or
6. neither, nor
7. either, or
8. neither, nor

PAGE 431 - PICKING THE RIGHT VERB

1. will have walked
2. have eaten
3. have seen
4. have finished
5. will be borrowing
6. are watching
7. cross
8. had been driving

L.5.2 : Pages 433-450

PAGES 433-434

No answers required.

PAGES 435-446 - SAVE THE COMMA FOR YOUR MOMMA!

There is a black and white and a color version of each story and answer key.

GOLDILOCKS - PART 1: (answers also on page 436)*Corrections are listed by type in order from start to finish.*Capitalize and Underline Goldilocks and the Three Bears

Commas: child, nosy, curious, her, Yes, did,

GOLDILOCKS - PART 2: (answers also on page 440)*Corrections are listed by type in order from start to finish.*

Capitalize: Mama, Baby Bear, Papa Bear, With, Am, No, Baby Bear

Periods: shouted. mother. girl. up. sleepily.

Exclamation: bed! were!

Question Mark: dreaming?

Commas: Mama, that, son, nudged, poked, start, no, dreaming, Bear,

Because there are so many corrections here, they are also shown in full form here:

"Mama, there's a girl in my bed!" Baby Bear shouted.

"I can see that, son," replied his mother.

Papa Bear nudged, poked, and roused the girl. With a start, she woke up.

"Am I dreaming?" she asked sleepily?

"No, you aren't dreaming," replied Baby Bear, "but I would wager a guess that you wish you were!"

GOLDILOCKS - PART 3: (answers also on page 444)*Corrections are listed by type in order from start to finish.*

Capitalize: The, Papa, The, Alas, Goldilocks

Apostrophe: bears'

Periods: cozy. rooms. maintained.

Exclamation: Goldilocks!

Commas: simple, sturdy, himself, kitchen, living room, alas,

PAGE 447 - FIXING SENTENCES

1. We talked to the group and decided to go to dinner, see a movie, and walk the boardwalk.
2. I spent the summer reading Robinson Crusoe, while sitting on the beach.
3. "President Lincoln signed the proclamation, right, Mr. Johnson?" (quotes are somewhat optional, depending on the situation. If they are referring to the Emancipation Proclamation, there would also be a need to capitalize that.)
4. The dinner at The Waldorf included Mark Twain, Marie Curie, and Emily Dickinson.
5. Lewis, Clark, and their entourage left for the West on May 14, 1804.
6. My grandfather, the mayor, had to stand in a soup kitchen line during the Great Depression.
7. My favorite book, an entertaining read, is Don Quixote by Miguel de Cervantes.
8. The soldier checked his gear and saw 3 MRE's, one bayonet, 2 pairs of socks, a life vest, and his helmet.
9. In 1682, William Penn founded the Colony of Pennsylvania.
10. Albert Einstein published his book Relativity: The Special and the General Theory in 1916.

PAGE 448 - KNOW YOUR SPELLING

Rewrite the following (by row):

agressive as aggressive strategee as strategy

mistchef as mischief

identicle as identical protaginist as protagonist

seldum as seldom numerus as numerous

caushushly as cautiously

NOTE: confident is not misspelled from confident

dedicat as dedicate

L.5.2 : Continued

PAGES 449-450 - PUNCTUATION

*Correct answers are on page 450. For the sake of space, they have not been repeated here.***L.5.3 : Pages 451-462**

PAGES 451-452

No answers required.

PAGES 453-459 - TWEETER

Practice rewriting sentences and quotes. Answers vary, but here is an instructions guide, in case it is hard for students to understand:

#reduce = write the same idea with less words

#combine = combine sentences and ideas

#expand = write more about the same idea

#add details = add details

#who? = add a person/character

#when? = add a time/date

#where? = add a location or place

#why? = explain why

#what occasion? = add an occasion/event

Using these directions, rewrite at least 4 tweets on page 458. On page 459, make up your own!

PAGE 460 - DIALECT

Respond to the use of dialect or regional vernacular in a piece of writing or media using this organizer.

PAGE 461 - REVISING

Rewrite each sentence or set of sentences. Rework them to make them more interesting. Answers vary.

PAGE 462 - REVISING STORIES

Write and revise a story draft with help from a partner. Answers vary.

L.5.4 : Pages 463-483

PAGES 463-464

No answers required.

PAGES 465-480 - PING PONG

Purple Words and Paddles:

Match each of the purple ping pong balls to one or both of the sentences where the word makes sense. Each of the purple words has multiple meanings, and there is a paddle #1 and paddle #2 that matches it.

Then practice writing meanings on page 479.

Red Words and Paddles:

Match each of the red ping pong balls to the sentence paddle where the word makes sense. With these new and difficult words, there is only 1 correct match.

Then practice writing meanings on page 480.

PAGE 481 - CONTEXT CLUES

Sample answers:

Predatory: something that hunts other things

Parasite: they depend on other things to live

Tentacles: things like arms that grab and touch

Pseudopodia: something like hands or arms or tentacles

Cytoplasm: jelly-like fluid

Reproduce: to make more of something

microscopic: something so tiny you need a microscope to see

PAGE 482 - FINDING THE CLUES

Sample answers:

1. abated = to go away

2. camaraderie = playing together well, getting along together

3. empathy = understanding feelings

4. inevitable = must happen, unavoidable

5. procrastinated = to wait until too late, to delay, to put off

6. tenacious = someone who doesn't give up

PAGE 483 - USING TOOLS TO GET MEANING

Use this sheet to record new words, the pronunciations, and the meanings.

L.5.5 : Pages 484-508

PAGES 484-485

No answers required.

PAGES 486-498 - PEPPER PASS

Match the salsa jar word to a synonym and antonym pepper. Copy these definitions and words onto page 498.

PAGES 499-505 - FLIP A CHIP

Match the idioms to their meanings. Copy the pairs onto page 505. The numbers on the chips must match the numbers on the salsa bowls if you have a correct answer. Keep in mind there are multiple of each. For example, there are several number 5's, so a 5 must match a specific 5, and won't match a 1, 2, or 3.

PAGE 506 - PROVERBS

Sample answers (from left to right by row):

A fool and his money are soon parted = foolish people waste money.

A leopard cannot change its spots = you are what you are, and you can't change that.

A picture paints a thousand words = a picture can make us think many things.

Absence makes the heart grow fonder = when you miss something, you love it more.

An apple a day keeps the doctor away = eating healthy foods keeps you healthy.

Better to have loved and lost than to have never loved at all = it's better to have and lose something than never have it at all.

PAGE 507 - MATCHING PROVERBS

Abbreviated forms of the proverbs are matched here:

A stitch in time... = repair something as soon as...

the best things... = we don't have to pay for...

you can't take... = material items, things and money...

it was the straw... = there is a limit to everything

where there's a will... = if we are determined...

you can't tell a book... = you need to look deeper into...

birds of a feather... = people of the same type...

don't count your chickens... = don't assume that you will...

PAGE 508 - WHICH HOMONYM?

1. ceding

2. ceiling

3. cellar

4. knew

5. pore

6. by, buy

7. site

8. Do, dew

L.5.6 : Pages 509-519

PAGES 506-507

No answers required.

PAGES 508- - DIVING DEEP

Sort the words into the correct category. Some may fit into multiple categories. Answers are also on page 516.

Addition: moreover, also, furthermore, too, besides, in addition, further

Contrast: although, however, nevertheless, even so, regardless, nevertheless

Summary: in conclusion, therefore, in other words, finally, altogether

Comparison: in the same way, similarly, likewise, also, too
Example: for example, for instance, namely, specifically, to illustrate

Sequence: finally, afterward, at last, eventually, subsequently, earlier

PAGE 517 - TRANSITIONAL TAGS

Many of these have second or third answers that make sense, depending on the way the sentence is delivered. Choose the best, but exceptions might be necessary.

1. Equally important
2. In the first place
3. and yet
4. on the contrary
5. In addition to
6. yet
7. first
8. notwithstanding

PAGE 518 - TRANSITIONAL TAGS

Many of these have second or third answers that make sense, depending on the way the sentence is delivered. Choose the best, but exceptions might be necessary.

1. simultaneously
2. shortly or eventually
3. shortly or subsequently or afterward
4. meanwhile
5. eventually
6. formerly or in the past or until now
7. earlier
8. since

PAGE 519 - KNOW YOUR WORDS

1. antibiotic
2. deprived
3. decreased, decline
4. resistance
5. counteract
6. foremost
7. forewarn
8. postoperative

MATH STANDARDS
Pages 520-901

5.OA.1 : Pages 521-533

PAGES 521-522

No answers required.

PAGES 523-531 - A CHEERFUL EXPRESSION

Make different expressions using the caterpillar pieces and solve. Answers and expressions go on page 531.

PAGE 532 - NUMERICAL EXPRESSIONS

| | |
|--------|----------|
| 1. 19 | 11. 24 |
| 2. 2 | 12. 50 |
| 3. 63 | 13. 24 |
| 4. 19 | 14. 26 |
| 5. 6 | 15. 10 |
| 6. 10 | 16. 10 |
| 7. 35 | 17. 5 |
| 8. 12 | 18. 37 |
| 9. 70 | 19. 1000 |
| 10. 97 | 20. 66 |

PAGE 533 - SIMILAR NUMERICAL EXPRESSIONS

Answers go from top to bottom...

| <u>COL. A</u> | <u>COL B</u> | <u>MATCH?</u> |
|---------------|--------------|---------------|
| 5 | 5 | Yes |
| 63 | 33 | No |
| 30 | 54 | No |
| 29 | 11 | No |
| 16 | 36 | No |
| 22 | 22 | Yes |
| 25 | 25 | Yes |
| 400 | 112 | No |

5.OA.2 : Pages 534-550

PAGES 534-535

No answers required.

PAGES 536-548 - MADE FOR EACH OTHER

Match the peanut butter cards to the jelly cards. Record answers on the worksheet on page 547. Answers are on page 548 and are repeated here.

- | | |
|--------------------|-------------------|
| 1. $2x(24+89)$ | 11. $5x(60+81)$ |
| 2. $(100-19)x7$ | 12. $9x53+36$ |
| 3. $(24+89)\div 2$ | 13. $73-2x9$ |
| 4. $(19+100)x7$ | 14. $12x(112+54)$ |
| 5. $(9+7)x3$ | 15. $(73-2)x9$ |
| 6. $16\div 4+12$ | 16. $12x(112-54)$ |
| 7. $(9-7)x3$ | 17. $7x3+4$ |
| 8. $16\div 4-12$ | 18. $64\div 8-6$ |
| 9. $5x(81-60)$ | 19. $7x(3+4)$ |
| 10. $36\div 9+53$ | 20. $64\div 8+6$ |

PAGE 549 - WRITE NUMERICAL EXPRESSIONS

Answers from top to bottom...

- $b+125$
- $550-c$
- $d-60$
- $445+s$
- $397-h$
- $q-178$
- $4,589+k$

PAGE 550 - WRITE MORE NUMERICAL EXPRESSIONS

Answers from top to bottom...

- $(5+6)x3$
- $(14+7)x4$
- $(90-45)\div 3$
- $3x(23,907+45,896)$
- $457\div (6+18)$
- $6x(3x5)$
- $(140-88)\div 2$

5.OA.3 : Pages 551-561

PAGES 551-552

No answers required.

PAGES 553-559 - GRAPHING PATTERNS

Write the numbered pairs on the rule cards. Then graph some of them on graphs on pages 557-559. For addition rules, start at the numbered pair (0,0) and work upward. For the subtraction rules, start with larger numbers in the x value and work backward. Answers on the graphing pages depend on equations chosen.

PAGE 560 - PLOTTING ORDERED PAIRS WITH PATTERNS

Figure out the rules, and then plot the points, labeling them. Lines can be drawn to connect the plot points of each function.

| A (+3) | B | C (+5) | D | E (-5) | F |
|--------|----|--------|----|--------|----|
| 5 | 8 | 9 | 14 | 17 | 12 |
| 6 | 9 | 11 | 16 | 14 | 9 |
| 8 | 11 | 14 | 19 | 12 | 7 |
| 9 | 12 | 16 | 21 | 15 | 10 |

PAGE 561 - ORDERED PAIRS AND THE COORDINATE PLANE

Figure out the rules, and then plot the points, labeling them. Lines can be drawn to connect the plot points of each function.

| A (-9) | B | C (+10) | D | E (-6) | F |
|--------|----|---------|---|--------|----|
| 6 | -3 | -5 | 5 | -2 | -8 |
| 8 | -1 | -8 | 2 | 10 | 4 |
| 2 | -7 | -3 | 7 | -1 | -7 |
| 5 | -4 | -6 | 4 | 11 | -5 |

Possible coordinates for the last 4 answers are:

Z=(9,5) or (5,9) Y=(-5,9) or (-9,5) X=(-5,-9) or (-9,-5) and W=(9,-5) or (5,-9)

5.NBT.1 : Pages 562-571

PAGES 562-563

No answers required.

PAGE 564-569 - BASE TEN

Complete 5 of the task cards and put your answers on page 569. Most of the answers can be written 2 ways, with the inverse being true. For example, in #1, you can say a is 10x bigger than b, or b is 1/10 of a.

Sample answers for each task:

- | | |
|------------------------------|------------------------------------|
| 1. a is 10x bigger than b | 11. a is 1/10 of b |
| 2. 600 is 1/10 of 6000 | 12. 6,000,000 |
| 3. a is 1/10 of b | 13. a is 1/10 of b is 1/10 of c |
| 4. 500 | 14. 90,000 is 100x bigger than 900 |
| 5. a is 10x bigger than b | 15. a is 10x bigger than b |
| 6. 30 is 1/10 of 300 | 16. 7,000 |
| 7. a is 1/10 of b | 17. a is 10x b is 10x c |
| 8. 900 | 18. 20 is 1/10 of 200 |
| 9. a is 10x bigger than b | 19. a is 10x bigger than b |
| 10. 1,000,000 is 10x 100,000 | 20. 500,000 |

PAGE 570 - EVERY NUMBER HAS A PLACE

Answers from top to bottom...

| COLUMN 1: | COLUMN 2: |
|-----------|-----------|
| 50 | 500 |
| 2 | 70 |
| 3 | 60 |
| 600 | 80 |
| 200 | 0.4 |
| 9,884 | 6,503 |
| 19,558 | 17,945 |

PAGE 871 - EVERY NUMBER HAS A PLACE

Answers from top to bottom...

- 6,916.275
- 4,599.955
- 4,433.504
- 8,541.952
- 1,721.840 (the end 0 is optional)

5.NBT.2 : Pages 572-583

PAGES 572-573

No answers required.

PAGES 574-581 - DANCING DECIMALS

Match the exponential notation cards to the standard form cards (just the number) to the directions that explain how many places to move the decimal.

Answer some questions on page 580. The answers are also on page 581, and are repeated here.

"What did you notice about how the decimal moved when the exponent was negative?"

The decimal moved to the left.

"What did you notice about how the decimal moved when the exponent was positive?"

The decimal moves to the right.

"If the decimal moves right, does the number get bigger or smaller? By how much?"

The number got bigger. The number got 10x bigger each time it moved right.

"If the decimal moves left, does the number get bigger or smaller? By how much?"

The number got smaller. The number got 10x smaller each time it moved left.

PAGE 582 - PATTERNS AND ZEROES

Top answers...

COLUMN 1: COLUMN 2: COLUMN 3:

| | | |
|--------|-------|-----|
| 260 | 2.6 | 2.6 |
| 2,600 | 0.26 | 26 |
| 26,000 | 0.026 | 260 |

Here they should say something about the number of 0's in the factor or divisor being an indication of how many decimal places to jump left or right.

COLUMN 1: COLUMN 2: COLUMN 3:

| | | |
|------|------|--------|
| 36 | 300 | 302 |
| 2.5 | 130 | 9.1 |
| 5000 | 780 | 6281 |
| 136 | 301 | 83,000 |
| 0.6 | 0.34 | 0.9 |
| 5400 | 129 | 700 |

PAGE 583 - DIVIDING AND MULTIPLYING BY 10, 100, and 1000

Answers from top to bottom by column...

COL 1: COL 2: COL 3: COL 4: COL 5:

| | | | | |
|------|------|------|--------|-----|
| 9.2 | 24.5 | 93 | 3930 | 850 |
| 79.2 | 8930 | 7700 | 23,098 | 55 |

Numbered Answers...

- 1. A
- 2. B
- 3. B
- 4. C
- 5. B
- 6. B

Bottom answers in boxes from top to bottom by column...

COLUMN 1: COLUMN 2: COLUMN 3:

| | | |
|--------|--------|--------|
| 100 | 100 | 100 |
| 0.054 | 8.02 | 0.6821 |
| 100 | 100 | 10 |
| 0.0334 | 0.0079 | 1.768 |

5.NBT.3 : Pages 584-594

PAGES 584-585

No answers required.

PAGES 586-592 - I HAVE/WHO HAS?

Use this game to practice matching standard form numbers to the expanded written form of a number.

PAGE 587 - EXPANDING NUMBERS

Answers from top to bottom...

1. $56.456 = 5 \times 10 + 6 \times 1 + 4 \times 1/10 + 5 \times 1/100 + 6 \times 1/1000$
2. $123.704 = 1 \times 100 + 2 \times 10 + 3 \times 1 + 7 \times 1/10 + 0 \times 1/100 + 4 \times 1/1000$
3. 538.559
4. $78.233 = 7 \times 10 + 8 \times 1 + 2 \times 1/10 + 3 \times 1/100 + 3 \times 1/1000$
5. $19.063 = 1 \times 10 + 9 \times 1 + 0 \times 1/10 + 6 \times 1/100 + 3 \times 1/1000$
6. 6105.438

PAGE 594 - COMPARING DECIMALS TO THOUSANDTHS

Answers from top to bottom by column...

COLUMN 1: COLUMN 2: COLUMN 3:

| | | |
|---|---|---|
| < | < | < |
| > | < | < |
| > | > | < |
| < | < | < |
| < | < | < |
| > | > | < |

5.NBT.4 : Pages 595-602

PAGES 595-596

No answers required.

PAGES 597-600 - ROUND AND ROUND

Practice rounding numbers to the nearest tenth, hundredth, or whole number using the dice and gumball numbers. Fill out your answers on page 600. Answers vary according to numbers picked.

PAGE 601 - ROUNDING DECIMALS

Answers are in order of the blanks by box. There are 3 answers per question, as well as a digit needing to be circled in the original number.

COLUMN 1: COLUMN 2:

| | |
|---------------------------|--------------------------|
| <i>Sample Answer</i> | circle 4, more, 4, 34.35 |
| circle 8, more, 8, 97.29 | circle 4, less, 4, 16.44 |
| circle 9, less, 9, 23.69 | circle 0, more, 0, 56.81 |
| circle 8, less, 8, 109.89 | circle 9, more, 9, 44.30 |

PAGE 602 - ROUND UP

Answers from left to right by column, working down...

COL 1: COL 2: COL 3: COL 4:

| | | | |
|----------|------------|------------|------------|
| 67,200 | 126,000 | 190,000 | 23,800 |
| 4,5297.6 | 567.13 | 45,927.096 | 1,300,000 |
| 49,000 | 12,570,000 | 46,892.49 | 386,900 |
| 34,000 | 937,400 | 389,294.3 | 75,983.887 |
| 648,000 | 3,428.873 | 2,390,000 | 4,500 |

5.NBT.5 : Pages 603-624

PAGES 603-604

No answers required.

PAGES 605-622 - MONSTER MINGO

Play multiplication bingo with the playing cards and calling cards. Solve the problems and use the tiles to cover answers on your board. There are many ways to win, or you can set out a goal card that players have to match to win.

It is suggested that you use a calculator as the answer checker. The 72 answers have not been placed here for the sake of space. As added practice or as workspace, you can have students put problems and solve on page 622.

PAGE 623 - MULTI-DIGIT MULTIPLYING

Answers from left to right...

| COL 1 | COL 2 | COL 3 | COL 4 |
|---------|---------|--------|---------|
| 81,545 | 9,945 | 10,304 | 2,860 |
| 104,558 | 2613 | 49,680 | 3,016 |
| 7,092 | 26,675 | 963 | 10,948 |
| 393,705 | 253,560 | 156 | 50,004 |
| 32,396 | 26,208 | 71,724 | 169,993 |

PAGE 624 - FINDING PRODUCTS

There is a general pattern to this. To find the highest product, take the highest number and pair it with the lowest number to make the first double digit number. Then use the leftover two to make the second double digit number, obviously with the larger of the two leftover digits in the tens' place.

To make the lowest product, the lowest two numbers will be your tens digits. Match the lowest of the two leftovers with the lowest ten's digit. Match the highest of the leftovers with the highest ten's digit.

Please note that I never used a 0 as a tens digit, as that's not a proper number, or the 0 is not a significant figure.

| | | |
|---------------|------------|------------|
| (4527) | (3819) | (2056) |
| HI 72x54=3888 | 91x38=7553 | 60x52=3120 |
| LO 25x47=1175 | 18x39=702 | 20x56=1120 |
| (8184) | (9731) | (2398) |
| HI 81x84=6804 | 91x37=3367 | 92x83=7636 |
| LO 18x48=864 | 17x39=663 | 28x39=1092 |
| (0496) | (6542) | (1098) |
| HI 90x64=5760 | 62x54=3348 | 90x81=7290 |
| LO 40x69=2760 | 25x46=1150 | 10x89=890 |
| (5932) | (7285) | (3954) |
| HI 92x53= | 82x75=6150 | 93x54=5022 |
| LO 25x39=975 | 27x58=1566 | 35x49=1715 |
| (9067) | (7731) | (6894) |
| HI 90x76=6840 | 71x73=5183 | 94x86=8084 |
| LO 60x79=4740 | 17x37=629 | 48x69=3312 |
| (3420) | (9698) | (5833) |
| HI 40x32=1280 | 98x96=9408 | 83x53=4399 |
| LO 20x34=680 | 68x69=4692 | 35x38=1330 |

5.NBT.6 : Pages 625-647

PAGES 625-626

No answers required.

PAGES 627 - RISK

Practice division problems with this board game. Collect one correct answer of each color of question to win. Correct Answers are on page 644, and are repeated here. Record answers on page 645 and use that for work space.

| RED | BLUE | TAN | GREEN | GRAY | CHALLENGE |
|-------|------|-----|-------|------|-----------|
| A. 92 | 252 | 64 | 623 | 47 | 30 |
| B. 66 | 12 | 6 | 4 | 18 | 8 |
| C. 64 | 51 | 78 | 32 | 39 | 25 |
| D. 33 | 9 | 9 | 8 | 3 | 6 |
| E. 81 | 82 | 248 | 46 | 44 | 86 |
| F. 9 | 5 | 3 | 7 | 19 | 6 |
| G. 88 | 188 | 415 | 98 | 146 | 36 |
| H. 5 | 18 | 6 | 25 | 7 | 15 |
| I. 80 | 48 | 65 | 70 | 86 | 34 |
| J. 83 | 7 | 5 | 27 | 4 | 89 |
| K. 81 | 85 | 58 | 127 | 83 | 48 |
| L. 8 | 12 | 8 | 13 | 8 | 47 |

PAGE 646 - DIVIDING

Answers are shown with remainders OR with two decimal places. Answers from left to right by column...

| COLUMN 1: | COLUMN 2: | COLUMN 3: |
|-----------|-----------|------------------|
| 131 R12 | 104 R6 | 765 R1 |
| 131.34 | 104.08 | 765.16 repeating |
| 38 R72 | 107 R6 | 318 R5 |
| 39.98 | 107.5 | 318.21 |
| 690 No R | 102 R9 | 327 R7 |
| 690 | 102.2 | 327.7 |

PAGE 647 - DIVIDING II

Answers are shown with remainders OR with two decimal places. Answers from left to right by column...

| COLUMN 1: | COLUMN 2: | COLUMN 3: |
|-----------|-----------|-------------------|
| 130 R 44 | 115 R28 | 1969 R1 |
| 130.78 | 115.35 | 1969.33 repeating |
| 216 R13 | 235 R22 | 179 R26 |
| 216.56 | 235.95 | 179.57 |
| 734 R2 | 64 R57 | 378 R9 |
| 734.4 | 64.95 | 378.75 |

5.NBT.7 : Pages 648-656

PAGES 648-649
No answers required.

PAGES 650-654 - A BUSHEL OF NUMBERS
Create decimal addition, subtraction, multiplication, or addition problems. Record the problems and operations on page 654. Answers will vary.

PAGE 655 - ADDING AND SUBTRACTING DECIMALS

Answers from left to right by column...

COL 1: COL 2: COL 3: COL 4:

11.35 53.4 374.53 1.86
46.83 215.33 6.05 53.77

horizontal problems next...

60.888 97.102 145.27
1065.96 728.83 1.07

back to vertical problems...

174.57 151.59 367.62 0.94
647.14 871 621.68 13.46

PAGE 656 - MULTIPLYING AND DIVIDING DECIMALS

Answers from left to right by column...

COL 1: COL 2: COL 3: COL 4:

30.08 68.244 230.4 65.494

division now...

91.56 201.125 2.05 0.5

horizontal problems next...

195.888 12 0.06
200 2703.699 0.09

back to vertical multiplication problems...

579.675 868.07 1259.7078 0.2375

division again...

0.26 12.07 23 28.3

5.NF.1 : Pages 657-683

PAGES 657-658
No answers required.

PAGES 659-681 - IT'S PEANUT BUTTER JELLY TIME
Practice your addition and subtractions with fractions and mixed numbers with the PBJ game. Record answers on page 681.

PAGE 682 - ADDING FRACTIONS WITH UNLIKE DENOMINATORS

Answers given are simplified to simplest terms. Answers are from left to right by column...

COLUMN 1: COLUMN 2: COLUMN 3:

1 & 11/12 1 & 11/20 1 & 1/6
4/9 8/15 1 & 3/28
1 & 9/20 2/3 4/5
1 & 5/24 1 & 1/9 7/9
3/10 23/36 4/17

PAGE 683 - SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

Answers are from left to right by column...

COLUMN 1: COLUMN 2: COLUMN 3:

1/12 5/28 2/9
1/18 23/90 9/56
3/10 13/48 1/3
5/12 1 & 5/9 23/45
19/100 1/2 84/221

5.NF.2 : Pages 684-695

PAGES 684-685
No answers required.

PAGES 686-693 - PIZZA PIZZA

Match the answers to the pizza problems. Answers are on page 693, and are repeated here.

1. 5/12
2. 2 & 11/12
3. 1/4
4. 7/8
5. 1 & 1/3
6. 1 & 5/8
7. 1/6
8. 2/3
9. 3/8
10. 1/2
11. 1/3
12. 7/9

PAGE 694 - ADDITION AND SUBTRACTION FRACTION STORIES

Answers are from top to bottom...

1. 1/3
2. 1 & 1/4
3. 1/8
4. 1 & 5/6
5. 2 & 11/12

PAGE 694 - ADDITION AND SUBTRACTION FRACTION STORIES

Answers are from top to bottom...

1. 1/3 hour
2. 5/8
3. 1/6
4. 1 & 1/6
5. 2 & 5/6

5.NF.3 : Pages 696-713

PAGES 696-697

No answers required.

PAGES 698-711 - GINGERBREAD COOKIES

Match word problems to visuals/equations cards to answer cards to make 3 card sets. Record answers on page 709, check on page 710. Page 711 shows the correct matching of problems to answers.

Answers are repeated here.

- 1. 1 & 1/3
- 2. 2/3
- 3. 3/4
- 4. 1 & 2/3
- 5. 4/5
- 6. 2/5
- 7. 3/5
- 8. 1 & 1/4
- 9. 1 & 1/2
- 10. 2 & 1/2

PAGE 712 - DIVIDING AND FRACTIONS

ANSWER NUMBER LINE

- 1. 6 & 1/4 0 to 50, with the X before the first hash mark.
- 18 & 2/5 0 to 92, with the X before the first hash mark.
- 20 & 2/5 (\$20.40) 0 to 102, with the X before the first hash mark.
- 7 & 1/2 0 to 45, with the X before the first hash mark.
- 4 & 1/5 0 to 126, with the X nearly at the start point.

PAGE 713 - DIVIDING AND FRACTIONS

Answers have to be graphed using the symbols. Here is the correct order, but you have to make sure the spacing and location is right...



The proper decimal answers are provided.

Top answers from left to right...

| <u>COLUMN 1:</u> | <u>COLUMN 2:</u> | <u>COLUMN 3:</u> |
|------------------|------------------|------------------|
| 4.25 | 2.4 | 3.75 |
| 2.5 | 4 | 2 |
| 2.25 | 3 | 1.375 |
| 3.33 repeating | 3.5 | 1.25 |

Solve and afterward graph these in order on the line. Check to make sure they are located in the right place on the number lines. The correct order of symbols is:



Bottom answers from left to right, rounded to 2 decimal places in most cases, except where they have an easy thousandths answer.

| <u>COLUMN 1:</u> | <u>COLUMN 2:</u> | <u>COLUMN 3:</u> |
|------------------|------------------|------------------|
| 0.57... | 0.11 repeating | 0.875 |
| 0.375 | 0.72 repeating | 0.29... |

5.NF.4 : Pages 714-721

PAGES 714-715

No answers required.

PAGES 716-719 - MULTIPLYING FRACTIONS

Practice multiplying fractions by choosing two cards and multiplying them. Record answers on page 719. Show work. Answers vary.

PAGE 720 - MULTIPLYING FRACTIONS USING DIAGRAMS

The answers here indicate how the boxes should be shaded. The answers are the overlapping portion of the array box.

FRACTION: HORIZONTAL: VERTICAL:

| | | |
|------|-----------|--------|
| 2/12 | 2 columns | 1 row |
| 3/12 | 1 column | 3 rows |
| 1/10 | 1 column | 1 row |
| 1/15 | 1 column | 1 row |

Stories written to match problems will vary.

PAGE 721 - FINDING AREAS OF RECTANGLES

Use the graph paper area to shade a portion equal to the problem's details. Multiply to find the answers.

COLUMN 1:

COLUMN 2:

| | |
|-------------------------|-------------------------|
| 2 1/2 x 5 = 12.5 sq. ft | 4 1/2 x 7 = 31.5 sq. ft |
| 8 x 11 1/3 = 90 sq. in | 2 1/4 x 2 = 4.5 sq. m |
| 3 x 5.5 = 16.5 sq. in | 10 x 2 1/2 = 25 sq. cm |

5.NF.5 : Pages 722-733

PAGES 722-723

No answers required.

PAGES 724-731 - PRODUCT GRAND PRIX

Practice multiplication skills with these cards. Copy your answers on page 731. For the sake of space, these 120 problems' answers are not being written here. It is suggested that you use a calculator for quick check of answers.

PAGE 732 - MULTIPLICATION AND FRACTIONS

Answers from left to right by column...

COLUMN 1:

COLUMN 2:

| | |
|---------------------|------------------------------------|
| Christine used more | Susan=8, Louise=2, Patricia=4 |
| | Smaller fraction = smaller product |

CIRCLE :

ESTIMATE:

| | |
|--------------|-------|
| 1/5 x 3/4 | \$30 |
| 6/9 x 4/5 | \$9 |
| 4/6 x 230 | \$88 |
| 19 1/3 x 4/5 | \$134 |

COLUMN 1:

COLUMN 2:

| | |
|-----------------|----------------------------------|
| 12 x 1 1/2 = 18 | 12 x 1 1/3 = 16 |
| | sample: 1/3 of 12 is 4. 12+4= 16 |

PAGE 733 - MULTIPLICATION AND FRACTIONS

Answers from left to right for top row, top to bottom for others...

TOP ROW:

A=6 B=4 C=3

BOTTOM ANSWERS: (Make sure they draw them, too)

A=16
B=15
C=18

5.NF.6 : Pages 734-748

PAGES 734-735

No answers required.

PAGES 736 - TRIVIAL PURSUIT

Play the trivial pursuit game, earning your pie pieces for correct answer. Copy your answers onto page 745.

Answers are on page 746 and are repeated here (only simplified answers are here):

| PINK: | PURPLE: | BLUE: | GREEN: |
|------------|---------|---------|---------|
| 1. 1/8 | 3/16 | 3 & 5/6 | 2/15 |
| 2. 1/6 | 3 & 2/3 | 40 | 7 |
| 3. 3 | 1/15 | 3/8 | 2 & 1/6 |
| 4. 25 | 1/9 | 1/15 | 1/5 |
| 5. 1/2 | 3/8 | 1/10 | 10 |
| 6. 2 & 1/4 | 1/30 | 1 & 5/8 | 5/6 |
| 7. 2/15 | 9/32 | 1/20 | 3/25 |
| 8. 6/25 | 8/21 | 1/18 | 3 & 2/3 |

PAGE 747 - MULTIPLICATION FRACTION STORIES

Answers from top to bottom...

- 42 minutes
- \$170
- 3.3 acres or 3 & 3/10 acres
- 3 jars
- 3.75 cups, or 3 & 3/4 cups

PAGE 748 - MULTIPLYING WITH FRACTIONS

BASKETS MADE:

- John = 7
- Sven = 2
- Kris = 6
- Louisa = 12
- Fatima = 4
- Donna = 8
- Taylor = 10
- Luis = 11

Which player should be a starter?

Louisa (most baskets, plus 2nd highest percentage)

Which player should be encouraged to take more shots?

Kris (highest percentage, but least shots)

How many more shots did John make than Sven?

5

BOTTOM PROBLEMS:

- 840 markers.
- 60 pages
- 39 cookies
- 2 miles

5.NF.7 : Pages 749-758

PAGES 749-750

No answers required.

PAGES 751-756 - FRACTION ACTION

Draw cards, make problems, and write the answers on page 756.

Answers vary.

PAGE 757 - DIVISION AND FRACTIONS

Answers from top to bottom...

- $1/5 \div 4 = 1/20$
- $1/4 \div 6 = 1/24$
- $1/6 \div 3 = 1/18$

PAGE 758 - DIVISION AND FRACTIONS

| COLUMN 1: | COLUMN 2: |
|-------------------------|--------------------------------|
| $1/5 \times 1/3 = 1/15$ | $4 \div 1/3 = 12$ |
| $4 \times 1/5 = 4/5$ | $1/8 \times 2/4 = 2/32 = 1/16$ |
| $8 \div 2/3 = 12$ | $1/4 \times 1/2 = 1/8$ |

5.MD.1 : Pages 759-768

PAGES 759-760

No answers required.

PAGES 761-766 - MEOW-TRIC MEASUREMENT

Answer the metric word problems, writing your answers on page 765. Answers are on page 766 and are repeated here.

- \$0.10 per serving
- 3.9 kg more
- 200 servings
- 2.6 kg per year
- 7 km each week
- 3 cm longer
- 30 cm
- 1.89 m
- 2.1 L
- 2 L
- 20 mL
- 10.85 L

PAGE 767 - CONVERTING MEASUREMENT UNITS

Answers from top to bottom...

- $(600 \times 7) \div 1000 = 4.2$ km
- $(56 \times 25) \div 1000 = 1.4$ kg
- $3.5 - 1.25 = 2.25$ kg
- $2000 - 435 = 1565$ mL
- add all 5 = 1295 g

PAGE 768 - CONVERTING MEASUREMENT UNITS

Answers from top to bottom...

- $15 \times 3 \times 16 = 720$ oz
- $3500 \div 2000 = 1.75$ T
- $15 \times 12 = 180$ in
- $(3 \times 16) \div 3 = 16$ oz
- $4 \text{ft} 10 - 3 \text{ft} 11 = 11$ in

5.MD.2 : Pages 769-787

PAGES 769-770

No answers required.

PAGES 771-785 - X MARKS THE SPOT

Draw a task card. Make the line plot on the line plot mats using labels and X's. Then solve the bottom problem in bold red. Keep track of answers on the answer sheet on page 780.

Line plot answers are on pages 781-785. Correct answers earn treasure points to win.

PAGE 786 - LINE PLOTS

| COLUMN 1: | COLUMN 2: |
|------------------|----------------|
| 1. 46 people | 72 worms |
| 2. 8/23 | 3 times more |
| 3. 10 people | 12 more worms |
| 4. $6/23 = 26\%$ | $1/8 = 12.5\%$ |

PAGE 787 - MAKING LINE PLOTS

Line plots should look as follows:

5.MD.2 : Pages 769-787

PAGES 769-770

No answers required.

PAGES 771-785 - X MARKS THE SPOT

Draw a task card. Make the line plot on the line plot mats using labels and X's. Then solve the bottom problem in bold red. Keep track of answers on the answer sheet on page 780.

Line plot answers are on pages 781-785. Correct answers earn treasure points to win.

| PROBLEM 1: | PROBLEM 2: | PROBLEM 3: | PROB 4: |
|----------------|---------------|-----------------------|---------|
| A. 1/2 | 1/2 foot | 4 & 1/4 feet | N/A |
| B. 5/8 | 3 & 5/8 miles | 1/2 mile | N/A |
| C. 3 & 4/8 tsp | salt alone | <i>no question #3</i> | N/A |
| D. 8/15 | 3/5 in | 4 & 1/5 in | N/A |
| E. 59/720 | 3/80 | 187/240 mi | N/A |
| F. 1/2 | 30 mins | 3 & 1/4 hrs | N/A |
| G. 1/3 | 4/9 | 3 & 1/9 mi | N/A |
| H. 12 & 3/4 lb | 1/2 lb | 1/2 | N/A |
| I. 23/120 | 1.5 minutes | 1 & 13/40 mi | 9 mins |
| J. 1/2 | 1/2 ton | 2 tons | N/A |

PAGE 786 - LINE PLOTS

| COLUMN 1: | COLUMN 2: |
|-------------------------|---------------|
| 1. 48 people | 72 worms |
| 2. 16/48 or 8/24 or 1/3 | 3 more worms |
| 3. 2 people | 3 more worms |
| 4. 6/48 = 12.5% | 24/72 = 33.3% |

PAGE 787 - MAKING LINE PLOTS

Line plots should look as follows, though your answers may vary according to the scale you use. Questions made by students will vary.

LEFT SIDE PROBLEM:

Using the scale of 4 bags per X for the left example, 2 bags for half X or v...

| | | | | |
|---|-----|-----|-----|-----|
| B | | X | | |
| A | | X | | v |
| G | X | X | | X |
| S | X | X | v | X |
| | X | X | X | X |
| | X | X | X | X |
| | 1/8 | 1/4 | 1/3 | 1/2 |

RIGHT SIDE PROBLEM:

Using the scale of 2 snails per X for the left example, 1 snail for half X or v...

| | | | | |
|---|-----|-----|-----|-----|
| S | | | | |
| N | | | | |
| A | | v | v | |
| I | | X | X | v |
| L | | X | X | X |
| S | X | X | X | X |
| | X | X | X | X |
| | 1/8 | 1/6 | 1/4 | 1/2 |
| | | | | 1 |

5.MD.3 : Pages 788-796

PAGES 788-789

No answers required.

PAGES 790-794 - VOLUME BOXES

Print out, cut, and form the boxes. Measure them for their dimensions to find cubic centimeters. Answers are often given to the nearest cm or are rounded down in case of a fractional cm.

Answers are on page 794 and are repeated here:

| COLOR: | CUBIC CM's: | LxWxH (order may vary): |
|--------|----------------|-------------------------|
| brown | 80 or (84) | 10x4x2 or (10.5x4x2) |
| orange | 108 | 6x6x3 |
| green | 225 or (237.5) | 9x5x5 or (9.5x5x5) |
| red | 40 or (42.5) | 8x1x5 or (8.5x1x5) |
| blue | 27 | 3x3x3 |
| yellow | 24 | 6x2x2 |

PAGE 795 - VOLUME USING UNIT CUBES

TOP LEFT: TOP RIGHT:

| | |
|-------|--------|
| A. 9 | A. 25 |
| B. 27 | B. 125 |

BOTTOM LEFT:

BOTTOM RIGHT:

| | |
|-------|-------|
| A. 20 | A. 6 |
| B. 80 | B. 18 |

PAGE 796 - VOLUME WITH UNIT CUBES

Answers from top to bottom...

- E
- D
- B
- A
- C
- F

5.MD.4 : Pages 797-813

PAGES 797-798

No answers required.

PAGES 799-811 - TETRIS

Play the tetris game with the dice and try to complete the shapes in the cards drawn. Determine the volume of each shape.

Answers vary according to pieces drawn. The Answer Key for the levels is on page 811, and is repeated here.

| LEVEL 1: | LEVEL 2: | LEVEL 3: |
|----------|----------|----------|
| A. 25 | 22 | 26 |
| B. 15 | 20 | 21 |
| C. 24 | 18 | 24 |
| D. 24 | 24 | 23 |
| E. 40 | 24 | 26 |
| F. 20 | 17 | 22 |
| G. 28 | 18 | 36 |
| H. 16 | 20 | 36 |
| I. 24 | 26 | 28 |
| J. N/A | 27 | 22 |

PAGE 812 - VOLUME WITH UNIT CUBES

Volumes are given, then the order numbers in parentheses.

Answers from left to right...

| COLUMN 1: | COLUMN 2: | COLUMN 3: |
|--------------------------|-------------------------|-------------------------|
| 125 cm ³ (#6) | 18 cm ³ (#2) | 9 cm ³ (#1) |
| 80 cm ³ (#5) | 27 cm ³ (#3) | 75 cm ³ (#4) |

PAGE 813 - VOLUME WITH UNIT CUBES

Answers from top to bottom, with side answers on the right...

| | |
|----------------------------------|--------------------------------------|
| 1. 125 x 3 = 375 in ³ | TOTAL ORIGINALS: 179 in ³ |
| 2. 18 x 4 = 72 in ³ | |
| 3. 27 x 2 = 54 in ³ | TOTAL NEW: 519 in ³ |
| 4. 9 x 2 = 18 in ³ | |

5.MD.5 : Pages 814-825

PAGES 814-815

No answers required.

PAGES 816-823 - FROGGER

Answer the questions to cross the river or the road. Keep track of answers on page 822. Correct answers to challenge questions are on page 823, and are repeated here.

- A. 960 m³
- B. 5 in³
- C. 7.5 ft³
- D. 6,664 cm³
- E. 120 ft³
- F. 343 m³
- G. 540 cm³
- H. 1,800 in³
- I. 96 m³
- J. 192 ft³
- K. 2 m³
- L. 1,102,500 cm³
- M. 47,520 in³
- N. 2,500 m³
- O. 240 ft³
- P. 84 in³
- Q. 288 in³
- R. 12 ft³
- S. 32 ft³
- T. 6,000 ft³
- U. 504 in³
- V. 84 ft³
- W. 324,000 cm³
- X. 30 ft³
- Y. 120 ft³
- Z. 1,183 cm³

PAGE 824 - FINDING THE VOLUME OF A PRISM

Answers from left to right...

| COLUMN 1: | COLUMN 2: | COLUMN 3: |
|--------------------|---------------------|--------------------|
| 27 in ³ | 288 cm ³ | 54 cm ³ |
| 54 cm ³ | 378 in ³ | 16 ft ³ |

PAGE 825 - FINDING THE VOLUME OF A PRISM

Answers from left to right...

TOP:

- A= 512 cm³
- B= 729 cm³
- TOTAL= 1,241 cm³

BOTTOM LEFT:

- C= 200 in³
- D= 300 in³
- TOTAL= 500 in³

BOTTOM RIGHT:

- E= 160 ft³
- F= 160 ft³
- TOTAL= 320 ft³

5.G.1 : Pages 826-856

PAGES 826-827

No answers required.

PAGES 828-835 - I SPY (BLUE BACKGROUND)

Find the objects at the proper locations. Write down your answers on page 835. Answers for the top half (5 questions) vary according to cards drawn. Answers for the bottom are here:

BOTTOM ANSWERS:

- lollipop = (5,0)
- basketball = (4,4)
- airplane = (2,1)
- sunglasses = (2,7)

NOTE: Some tiles needed for this are on page 849.

PAGES 836-839 - I SPY VERSION 2 (BLUE BACKGROUND)

Read the clues and find the proper items. Answers are here:

- | | |
|---------------------------|----------------------|
| N. green gumball = (2,5) | A. egg= (1,0) |
| O. yellow gumball = (0,7) | B. plane= ((2,1) |
| P. burger= (1,6) | C. lollipop= (5,0) |
| Q. snake= (4,6) | D. cat= (0,1) |
| R. sunglasses= (2,7) | E. crayons= (1,2) |
| S. S= (3,7) | F. bone= (3,2) |
| T. blue gumball = (4,8) | G. apple= (4,1) |
| U. candy= (3,8) | H. peppermint= (5,3) |
| V. yellow crayon= (1,8) | I. pear= (0,3) |
| W. dolphin= (3,9) | J. globe= (1,4) |
| X. A= (5,9) | K. peanut= (3,5) |
| Y. kite= (3,4) | L. basketball= (4,4) |
| Z. paper= (0,9) | M. soda= (2,3) |

PAGES 840-842 - I SPY (PURPLE BACKGROUND)

Find the objects at the proper locations. Write down your answers on page 842. Answers for the top half (5 questions) vary according to cards drawn. Answers for the bottom are here:

BOTTOM ANSWERS:

- french fries = (1,4)
- lollipop = (3,4)
- calculator = (0,9)
- toothbrush = (1,8)

NOTE: Some tiles needed for this are on page 849.

PAGE 843-846 - I SPY VERSION 2 (PURPLE BACKGROUND)

Read the clues and find the proper items. Answers are here:

- | | |
|------------------------|--------------------------|
| A. calculator = (0,9) | N. french fries= (1,4) |
| B. B= (2,9) | O. sucker= (3,4) |
| C. caterpillar= (5,9) | P. baseball= (5,4) |
| D. toothbrush= (1,8) | Q. tiger= (1,3) |
| E. mint= (3,8) | R. backpack= (2,2) |
| F. snorkel= (4,8) | S. blue crayon= (4,3) |
| G. carrot= (2,7) | T. paddle= (5,2) |
| H. planet= (5,7) | U. orange gumball= (0,2) |
| I. beach ball= (1,6) | V. sailboat= (1,1) |
| J. ring toy= (2,5) | W. yellow gumball= (3,0) |
| K. scissors= (3,6) | X. ruler= (0,7) |
| L. popcorn= (4,5) | Y. pencil= (1,0) |
| M. cotton candy= (0,5) | Z. flower= (4,1) |

PAGES 847-850 - I SPY (YELLOW BACKGROUND)

Find the objects at the proper locations. Write down your answers on page 850. Answers for the top half (5 questions) vary according to cards drawn. Answers for the bottom are here:

BOTTOM ANSWERS:

- snowflake = (3,9)
- chalkboard= (1,9)
- skateboard = (4,6)
- map = (1,3)

Answers continued on next page...

5.G.1 : Continued

PAGE 851-854 - I SPY VERSION 2 (YELLOW BACKGROUND)

Read the clues and find the proper items. Answers are here:

- | | |
|---------------------------|------------------------|
| A. chalkboard= (1,9) | N. butterfly= (3,5) |
| B. snowflake= (3,9) | O. candy= (3,4) |
| C. corn= (5,95) | P. map= (1,3) |
| D. sucker= (0,8) | Q. soccer ball= (2,3) |
| E. gumball machine= (2,8) | R. leopard= (4,3) |
| F. bee= (4,8) | S. bowling ball= (5,2) |
| G. grapes= (1,7) | T. strawberry= (3,1) |
| H. crab= (3,7) | U. parrot= (1,1) |
| I. blue egg= (4,7) | V. notebook= (3,1) |
| J. pretzel= (2,6) | W. carrot= (4,1) |
| K. skateboard= (4,6) | X. pink egg= (2,0) |
| L. paints= (5,6) | Y. cherries= (5,0) |
| M. broccoli= (1,5) | Z. toucan= (4,5) |

PAGE 855 - PLOTTING ON A COORDINATE PLANE

Answers by number order...

1. A= (-8,6)
2. C= (5,9)
3. E= (3,-5)
4. G= (-4,-4)
5. F
6. D
7. H
8. B

PAGE 856 - PLOTTING POINTS

LEFT SIDE QUESTIONS: (from top to bottom)

- H= (-10,7)
 I= (-8,4)
 J= (-3,5)
 K= -6,-3)
 L= (-10,-4)

RIGHT SIDE QUESTIONS: (from top to bottom)

- G
 F
 B
 C
 E
 A
 D
 H

BOTTOM QUESTIONS: (after graphing the points)

You get an arrow pointing to the upper left if done right...

C

5.G.2 : Pages 857-866

PAGES 857-858

No answers required.

PAGES 859-864 - GRAPHING RECTANGLES

Figure out the perimeter and area of the rectangles. Record your information on page 863. Answer questions about the rectangles. Answers are on page 864, and are repeated here.

| RECTANGLE: | PERIMETER: | AREA: |
|------------|------------|-------|
| ABCD | 18 | 20 |
| BCDE | 12 | 8 |
| DEFG | 8 | 4 |
| EFGH | 10 | 6 |
| GHIJ | 4 | 1 |
| LMNO | 16 | 12 |
| NOPQ | 24 | 35 |
| QRST | 14 | 6 |
| UVWX | 18 | 18 |
| WXYZ | 18 | 20 |

Greatest Area = NOPQ

Shortest Perimeter = GHIJ

PAGE 865 - A RACE WITH COORDINATE POINTS

Fill out the table, figure out the ordered pairs, and then graph the points. Connect the dots with a line.

TABLE ANSWERS: (from left to right)

7, 14, 21, 28, 35, 42, 49, 56, 63, 70 (multiples of 7)

ORDERED PAIRS: (from top to bottom)

- (1,7)
 (2,14)
 (3,21)
 (4,28)
 (5,35)
 (6,42)
 (7,49)
 (8,56)
 (9,63)
 (10,70)

50 miles would take 7.14 minutes, or 50/7 minutes.

PAGE 866 - A RACE WITH COORDINATE POINTS

Fill out the table, figure out the ordered pairs, and then graph the points. Connect the dots with lines. There should be 2 lines, and they will cross, so graph one at a time.

TABLE ANSWERS: (from left to right)

ROB: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

STEVE: 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56

Rob won.

Steve was in the lead for most of the race.

ORDERED PAIRS: (from top to bottom)

| ROB | STEVE |
|---------|---------|
| (0,0) | (0,8) |
| (1,5) | (1,12) |
| (2,10) | (2,16) |
| (3,15) | (3,20) |
| (4,20) | (4,24) |
| (5,25) | (5,28) |
| (6,30) | (6,32) |
| (7,35) | (7,36) |
| (8,40) | (8,40) |
| (9,45) | (9,44) |
| (10,50) | (10,48) |
| (11,55) | (11,52) |
| (12,60) | (12,56) |

5.G.3 : Pages 867-876

PAGES 867-868

No answers required.

PAGES 869-874 - WHOOOOOO AM I?

Match the answer cards to the picture cards. Record answers on page 873. Answers are on page 874 and are repeated here. Keep in mind that each answer BEST describes one shape.

| NUMBER: | SHAPE: | PICTURE: |
|---------|---------------|------------------------|
| 1 | rectangle | <i>match correctly</i> |
| 2 | square | |
| 3 | parallelogram | |
| 4 | trapezoid | |
| 5 | rhombus | |
| 6 | kite | |

PAGE 875 - CLASSIFYING QUADRILATERALS

Answers from top to bottom...

1. Draw a parallelogram. Make sure there are 2 sets of parallel sides.
2. Yes, because it has 2 sets of opposite sides that are parallel.
3. Yes, because it has 2 sets of opposite sides that are parallel.
4. No, unless all sides are the same length on that rectangle, but usually they don't have all the sides the same length, even if the other requirements are met.
5. Yes, because it has 4 right angles, 2 sets of parallel sides...
6. No, because it only has 1 set of parallel sides, not 2.
7. This will likely be a trapezoid.

PAGE 876 - CLASSIFYING 2-D SHAPES

| LEFT COLUMN: | RIGHT COLUMN: |
|---------------------|---------------------------------|
| A. draw a trapezoid | A. draw an equilateral triangle |
| B. Trapezoid | B. equilateral triangle |

LEFT MIDDLE:

check off polygon, rectangle, quadrangle, and square.

LEFT BOTTOM:

Answers vary according to the types being described. Remember that there are: scalene, right, isosceles, acute, equilateral, and obtuse triangles. They are named for their sides or angles.

RIGHT BOTTOM:

top left=equilateral top right=isosceles
bottom left=scale bottom right=right

5.G.4 : Pages 877-900

PAGES 877-878

No answers required.

PAGES 879-897 - HOT POTATO

Practice sorting the shapes by characteristics. The color-coded answers are on pages 883-893.

Hierarchies can be made on the mats on pages 896-897. Use the arrows to show what also classifies as what as you go up levels...

PAGE 898 - CLASSIFYING QUADRILATERALS

Top row answers first...

| COLUMN 1: | COLUMN 2: | COLUMN 3: | COL 4: |
|---------------|---------------|---------------|---------------|
| quadrilateral | quadrilateral | quadrilateral | quadrilateral |
| rectangle | kite | trapezoid | trapezoid |
| parallelogram | | | |

Now the bottom row answers...

| COLUMN 1: | COLUMN 2: | COLUMN 3: | COL 4: |
|---------------|---------------|---------------|---------------|
| quadrilateral | quadrilateral | quadrilateral | quadrilateral |
| parallelogram | rhombus | trapezoid | square |
| | parallelogram | | rectangle |
| | | | rhombus |
| | | | parallelogram |

PAGE 899-900 - CLASSIFYING TRIANGLES

Use the list of triangles on page 900 to classify all the types of triangles on page 899. The answers here name them by their sides and by their angles. If you want to focus on one skill or another, that is fine.

| TRIANGLE: | TYPE: |
|-----------|------------------|
| AEC | obtuse isosceles |
| BCG | right scalene |
| CFD | right scalene |
| CAG | obtuse scalene |
| CFE | obtuse scalene |
| FDE | obtuse scalene |
| ABG | obtuse scalene |
| GCF | acute isosceles |
| CFA | acute scalene |
| CGE | acute scalene |

Then draw an equilateral triangle at the bottom...

END OF FIFTH GRADE WORKBOOK