

The Multiplying Menace Divides: A Math Adventure

Grade 3

5 skill lessons · 3 math-through-reading

Skill lessons

5 lessons on the mathematics the book carries. Each lesson has printable workbook pages and a separate teacher key.

1. Three Sets of Four: What the Spell Does to Twelve

Concept · Dividing twelve into equal groups

2. Five Rows of Three: Drawing Peter's Fifteen Holes

Representation · Showing a division of fifteen as rows and groups

3. How Many Groups Made Four Frogs?

Application · Finding an unknown divisor from the amount in one group

4. Divide by Five or by Fifteen? Peter Chooses

Reasoning · Comparing what different divisors do to fifteen

5. Spell Cards: Getting Fast on the Story's Divisions

Fluency · Dividing within twenty-four with equal groups

Math through the reading

The mathematics is reached through a sentence the book prints: change one word in the reading and the numbers change with it. These carry their own standards, matched against these lessons rather than inherited from the skill ones.

6. Divided By Three, or Into Groups of Three?

Integrated · Students build both readings of the kitten spell with counters and use the book's own result sentence to decide which reading Rumpelstiltskin spoke.

7. The Spell Nobody Heard

Integrated · Students work out the number Rumpelstiltskin must have spoken at the castle gate, and must hand in the sentences that prove it alongside the number.

8. Ten Cows, Five Froggy Cows

Integrated · Students build the farm as two lined-up rows of counters and say the relation between the herds in both directions, changing the comparison word without changing what is true.

Reading and language lessons

5 lessons on the reading and language the book carries - what a word means in its sentence, how a character is shown, how a text is built. No mathematics: these are matched against the English language arts curricula, which are a different and smaller set than the mathematics ones.

9. Four Hard Words, Four Sentences That Explain Them

Reading · Working out a word's meaning from the sentence around it

10. Who Said It, and How: Reading the Tags in the Cave

Reading · Tracking who is speaking and what the speaker tag tells you

11. Says One Thing, Wants Another: Peter and Matilda

Reading · Working out what a character wants from what the character says and does

12. Four Stops on Peter's Way Home

Reading · Retelling a sequence of events in the order the text gives them

13. Out Loud or In His Head: Reading Peter's Questions

Reading · Telling spoken words from unspoken thoughts by the punctuation around them