ATENA
LEARNING MADE RELEVANT

EXPLORERS SERIES

Valentine's Day (February 14, 2026)

TEACHING GUIDE

ℹ️ **What?** Valentine's Day, a holiday to celebrate friendship, love, and the people we care about.

👤 **Who?** Friends, families, couples… and even classmates exchanging kind words.

🌍 **Where?** In many countries around the world, at home, at school, or in the community.

🕰️ **When?** Every year, on February 14th.

❓ **Why is it important?** Because it's an opportunity to say thank you, to bring joy, and to show kindness to others.

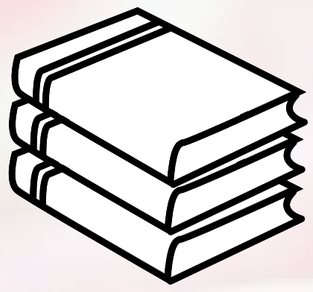
🎯 **For this activity, your goal will be to celebrate Valentine's Day in a unique way!**

OBJECTIVES

- Solve calculations by following the correct order of operations.
- Match numbers to letters using a table.
- Identify and describe solids (faces, edges, vertices).
- Write a short, clear, and well-structured message.
- Make connections between mathematics and written expression.

COMPETENCIES

- Search for and select relevant information.
- Read and interpret mathematical expressions.
- Justify an answer using observed characteristics.
- Use appropriate geometric vocabulary.
- Write a short, coherent text.



SUBJECTS

- **Mathematics**
  - Order of operations
  - Multiplication, division, addition, and subtraction
  - Reading numerical data
- **Geometry**
  - Identifying solids
  - Faces, edges, and vertices
- **French**
  - Reading instructions
  - Writing a short message
  - Organizing ideas
- **General knowledge**
  - Valentine's Day traditions
  - Values of friendship and respect

DURATION

- About 60 minutes

GETTING STARTED

- Ask the students:
  - "What does Valentine's Day mean to you?"
  - "Do you know any traditions associated with February 14th?"

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QUESTIONS AND ANSWERS

STEP 1 — The Valentine's Day Secret Code. Solving of calculations and matching them to a letter-matching table.

Q1 — (150 × 4) − 28 = 600 − 28 = 572 → O
Q2 — (400 + 300) + (60 + 4) = 700 + 64 = 764 → P
Q3 — (642 ÷ 3) + 9 = 214 + 9 = 223 → A
Q4 — (2400 ÷ 4) + (76 × 2) = 600 + 152 = 752 →
Q5 — (9000 ÷ 3) + 4111 = 3000 + 4111 = 7111 → S
Q6 — (5 × 5 × 5 × 5) − (5 × 12) -1 = 625 - 60 - 1 = 564 → I
Q7 — (21,000 - 14,000) + (11 × 10) + 1 = 7,000 + 110 + 1 = 7,111 → S
Q8 — The word sought is PASSION.

STEP 2 — Solids of Love. Observation of objects and their correspondence with geometric solids.

Q9 — Rectangular prism: 6 faces, 12 edges, 8 vertices
Q10 — Cylinder: 3 faces (2 flat and 1 curved), 2 edges, 0 vertices
Q11 — Cone: 2 faces (1 flat and 1 curved), 1 edge, 1 vertex

STEP 3 — A message from the heart. Writing of a short Valentine's Day message (2–3 sentences).

Q12 — Personal answers

WRAPPING UP

- Review:
  - the secret word discovered;
  - the characteristics of solids;
  - the importance of expressing feelings kindly.
- Ask the student:
  - "What did you find most difficult?"
  - "What did you learn today?"
- Remind them that mathematics can also be fun and creative.

FURTHER EXPLORATION

- 📖 Jennifer L. Armentrout. *Meet Cute: Count Down to Valentine's Day*. HarperCollins