



**LEARN-TO-SOLVE  
WORD PROBLEMS**



# Learn-to-Solve Word Problems

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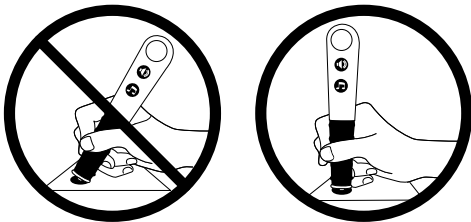
# Learn-to-Solve Word Problems

## Using the Cards with the Hot Dots® pen

The Hot Dots pen (sold separately) adds instant, self-checking feedback to independent practice in a fun, interactive way. When the cards are used with the Hot Dots pen, students receive electronic answer reinforcement in two ways:

- Touch the pen to a CORRECT answer dot on the card and students are instantly rewarded with a glowing green light, a cool phrase, and a variety of motivating sounds.
- Touch the pen to an INCORRECT answer dot on the card and the pen glows red and gently provides encouraging words and sound effects.

### How to Position the Hot Dots® Pen



Make sure the tip of the Hot Dots pen sits flat on the surface of the answer dot as shown above.

### Tips:

- Make sure the cards rest on a hard surface when using the Hot Dots pen on them.
- Never laminate the cards.

### What's on each card?

**How-to-Solve Word Problems** Numbers and Operations

Mr. Teal has 24 students in his class. The cafeteria has 12 cheese sandwiches, 2 peanut butter and jelly sandwiches, and 11 ham and cheese sandwiches. Does the cafeteria have enough sandwiches for everyone in the class?

1. What is the first step in solving this problem?  
 A. Add up the number of sandwiches.  
 B. Add the number of students to the number of sandwiches.  
 C. Subtract the number of sandwiches from the number of students in the class.

2. Which shows how many sandwiches the cafeteria has?  
 A.  $24 + 13 + 5 + 11 = 53$   
 B.  $13 + 5 + 11 = 29$   
 C.  $29 - 24 = 5$

3. Which shows how to find the difference in how many sandwiches the cafeteria has and how many are needed?  
 A.  $29 - 24$   
 B.  $24 + 29$   
 C.  $19 + 5$

4. Does the cafeteria have enough sandwiches for the students in Mr. Teal's class?  
 A. No, they need to make 5 more sandwiches.  
 B. Yes, they have 4 extra sandwiches.  
 C. Yes, they have 5 extra sandwiches.

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skill area  
word problem  
guiding questions  
Hot Dot  
card number

## Suggestions for the Teacher

This set of 80 word problems for students in grades 1–3 is designed to guide students through the problem-solving process. Each card contains a word problem followed by several guiding questions. The guiding questions help students to: determine which information is necessary to solve the problem, choose an operation, and avoid making common mistakes when solving word problems.

### Using the Cards in Your Class

Students read the word problem and then answer the accompanying questions with the Hot Dots pen or with pencil and paper. The cards may be duplicated and the guiding questions given as a group or class activity. You may also wish to project a card for the whole class to see so you can discuss the problem-solving process together.

### Guiding Students Through the Problem-Solving Process

As students work through the problems on these cards, they will see the types of questions they should internally ask themselves when presented with challenging word problems. Incorporate these types of questions into your instruction as much as possible. Some examples of helpful questions are:

- What is the meaning of key vocabulary words used in the problem?
- Which information will you need to solve this problem?
- What operation do you need to use?
- What formula will help you?
- Can you estimate a reasonable answer before solving the problem?
- What are the units that should go with the answer?
- How could you check your work to make sure your answer is correct?

# Learn-to-Solve Word Problems

## Answer Key

Card No.	1	Question 2	3	4
1	C	A	A	C
2	C	B	B	A
3	B	A	C	B
4	C	B	B	A
5	B	B	C	A
6	B	A	B	C
7	B	C	B	A
8	C	A	A	B
9	A	C	C	B
10	C	B	A	B
11	B	C	B	A
12	C	B	A	B
13	A	B	A	C
14	B	A	B	C
15	A	B	B	C
16	B	B	A	C
17	A	B	C	A
18	A	C	B	A
19	A	C	C	A
20	A	C	B	B

Card No.	1	Question 2	3	4
21	A	A	B	C
22	A	A	B	C
23	A	A	C	B
24	A	C	A	B
25	A	C	B	A
26	A	C	B	A
27	C	B	B	A
28	B	A	C	A
29	A	A	A	B
30	C	B	A	B
31	A	C	B	A
32	A	C	B	C
33	B	B	C	-
34	C	A	C	B
35	A	C	B	A
36	B	C	C	B
37	A	A	B	C
38	C	A	C	B
39	C	A	A	B
40	C	C	A	C

Card No.	1	Question 2	3	4
41	A	A	B	C
42	B	C	B	A
43	B	C	B	C
44	C	B	A	B
45	A	B	A	C
46	B	C	B	A
47	B	B	C	C
48	A	B	B	C
49	B	B	A	C
50	A	C	B	A
51	A	C	B	B
52	A	C	A	B
53	A	C	B	A
54	C	A	A	A
55	B	C	C	A
56	B	A	C	A
57	A	C	B	A
58	A	A	C	A
59	A	C	A	B
60	C	C	B	C

Card No.	1	Question 2	3	4
61	C	C	B	A
62	A	C	B	A
63	C	B	C	A
64	A	A	B	C
65	C	B	A	A
66	C	C	C	B
67	A	C	B	C
68	B	A	A	B
69	C	A	C	B
70	C	A	C	B
71	B	B	A	A
72	A	C	B	A
73	A	B	B	C
74	A	C	B	B
75	C	B	B	A
76	C	B	B	A
77	A	B	C	B
78	C	A	A	B
79	C	B	A	C
80	C	A	B	B