

Learn About

Using Algebra: Number Sentences

A **number sentence** has numbers and symbols. It has a +, −, × or ÷ sign and an =, < or >. Example: $6 + 5 = 11$

Some number sentences have a missing number. A box or letter can stand for the missing number. Example: $6 + n = 11$

You can use addition or subtraction to find the missing number.

$$6 + 5 = 11 \quad \text{OR} \quad 11 - 5 = 6$$

You can write a number sentence to solve a problem. Read the problem. Then read how to solve the problem.

Joe is reading a book that has 80 pages. Joe has read 48 pages. How many more pages does Joey have left to read?

Question:	Answer:
What numbers do you know?	I know there are 80 pages. I know that 48 pages have been read.
What number do you need to find?	I need to find the number of pages remaining.
What operation should you use?	I can use addition or subtraction.
Use the numbers in the problem to write a number sentence. Use a letter for the number you need to find.	$48 + p = 80$ OR $80 - p = 48$
Find the number that replaces the letter.	$48 + 32 = 80$ and $80 - 32 = 48$ So, $p = 32$.



A **number sentence** is a sentence with numbers and symbols. It has a +, −, × or ÷ sign and an =, < or >. Some number sentences have a missing number. A box or letter can stand for the missing number.

Look at the answer choices for each question.
Read why each answer choice is correct or
not correct.

1. What is the first missing figure?



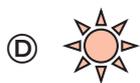
This is not the correct answer. The order is     . The figure after the  is not the .



This is not the correct answer. The order is     . The figure after the  is not the .



This is the correct answer. The order is     . The figure after the  is the .

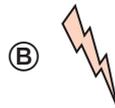


This is not the correct answer. The order is     . The figure after the  is not the .

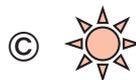
2. What is the second missing figure?



This is not the correct answer. The order is     . The figure after the  is not the .



This is not the correct answer. The order is     . The figure after the  is not the .



This is not the correct answer. The order is     . The figure after the  is not the .



This is the correct answer. The order is     . The figure after the  is the .

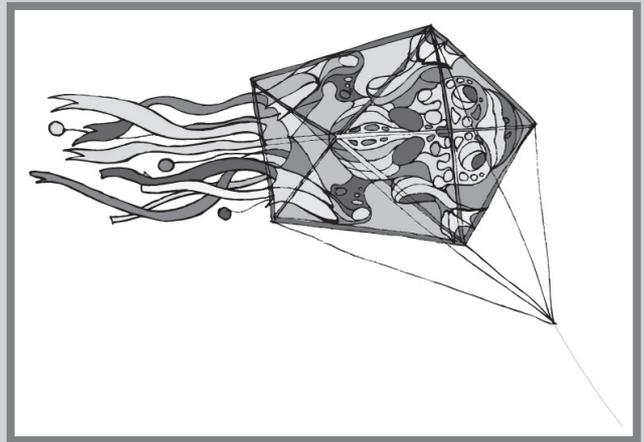
Lesson

6

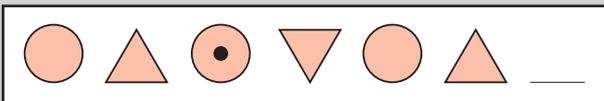
Read the passage.
Then do Numbers 1–5.

Flying High

Pete is at a kite fair. He sees kites of different sizes, shapes and colours. There is a kite contest at the fair. People receive prizes for the most creative, most humorous and most colourful kites. Pete enjoys the fair. He plans to enter a kite in the contest next year!



1. The pattern below was used to decorate a kite at the fair. What is the missing figure in the pattern?



- (A)
- (B)
- (C)
- (D)

2. This year, 32 people entered the kite contest. There are 21 adults in this group. The rest are children. Which number sentence can help you find how many children entered the kite contest?

- (A) $32 + 21 = c$
- (B) $21 - c = 32$
- (C) $21 + c = 32$
- (D) $56 - c = 32$

Lesson 14

*Read the passage.
Then do Numbers 1–5.*

Book Club

June belongs to a book club. The club meets once a week to discuss a book. They talk about their favourite parts of the book, the characters they like best, and what they learned from the book. Sometimes, they do special projects about a book. For one book, they designed a book cover. For another, they put on a play. A book club is a good way to share ideas about your favourite books.



1. Sandy is reading a book that has 86 pages. She has 24 pages left to read. Which number sentence shows how many pages Sandy has read?

- Ⓐ $24 - p = 86$
- Ⓑ $p + 86 = 24$
- Ⓒ $86 - p = 24$
- Ⓓ $86 + 24 = p$

2. Lara keeps her books on bookshelves. The number of books on each shelf follows the pattern below. What is the pattern?

26, 19, 12, 5

- Ⓐ Subtract 7.
- Ⓑ Subtract 19.
- Ⓒ Add 7.
- Ⓓ Add 8.

Self-Assessment 4

Lessons 16–20

Answer these questions after you have completed Lessons 16–20. Before you begin, re-read what you wrote in Self-Assessment 1.

FOCUS on Using Algebra, Book C

Name _____ Date _____

1. How well did you do in Lessons 16–20? Circle your answer.

great

good

could have done better

2. Did you have any trouble with the questions? _____

If so, what kind of trouble did you have?

3. Think about what you wanted to do differently in Lessons 16–20.

Did you do this?

Cut along the dotted line.