

Hop by Twos

Find the next number by adding 2.

GRADE 2 • 2.NS.1.a

2.NS.1.a "Represent forward counting patterns when counting by groups of 2 up to at least 50, starting at various multiples of 2 and using a variety of tools (e.g., objects, number lines, hundreds charts)."

NAME _____

DATE _____

COUNT IN PAIRS

When you count by 2, add 2 each time. Start at the number you are given and make equal hops forward on a number line or in a number pattern.

WORKED EXAMPLE

A number line hop starts at 42.
Count by 2 to 50.

1. Start at 42.
2. Add 2: $42 + 2 = 44$.
3. Add 2 again: $44 + 2 = 46$.
4. Continue adding 2: 48, 50.

Answer: 42, 44, 46, 48, 50

PRACTICE 5 problems

- 1** Toy cars are lined up by 2s: 6, 8, ____, 12. What number goes in the blank?

ANSWER _____

- 2** A sticker chart counts by 2s: 20, ____, 24, 26. What number goes in the blank?

ANSWER _____

- 3** A puppy makes number hops: 30, 32, ____, 36. Where does the puppy land next?

ANSWER _____

- 4** Pairs of socks are counted: 2, 4, 6, ____, 10. What number goes in the blank?

ANSWER _____

- 5** A crayon box is counted by 2s: 14, 16, ____, 20. What number goes in the blank?

ANSWER _____

APPLY IT Show your work

- 1** At a bike race, flag numbers go up by 2. The flags say 26, 28, ____, 32. What number is on the blank flag?

WORK SPACE

ANSWER _____

- 2** At a pet show, rabbit cage numbers start at 34 and go up by 2. What are the next two cage numbers?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A toy train has number cards: 24, ____, 28, ____, 32. Fill in both blanks. Explain how you know.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Toy cars are lined up by 2s: 6, 8, __, 12. What number goes in the blank?	10
2	A sticker chart counts by 2s: 20, __, 24, 26. What number goes in the blank?	22
3	A puppy makes number hops: 30, 32, __, 36. Where does the puppy land next?	34
4	Pairs of socks are counted: 2, 4, 6, __, 10. What number goes in the blank?	8
5	A crayon box is counted by 2s: 14, 16, __, 20. What number goes in the blank?	18

PART 2 • APPLY IT

1. **30** Count forward by 2 from 28. The next number is 30.
2. **36, 38** Add 2 to 34 to get 36. Add 2 again to get 38.

CHALLENGE

26 and 30. I added 2 each time.

Accept numerals or correctly spelled number words. For the challenge, accept 26 and 30 with an explanation that the pattern adds 2 each time.