

Lesson 6-3 • Catch-up

Reinforce Understanding

6.1–6.3 Catch-Up

I can show I am caught up on Lessons 6.1–6.3 by using each lesson's big idea in mixed practice.

Worked model

Write $9 \times 9 \times 9 \times 9$ as a power. Then name its base and its exponent.

1. Find the repeated factor. The factor is 9.
2. Count how many times it is used. It is used 4 times.
3. Write the base, then the exponent. 9^4
4. Read it out loud. 9 to the 4th power

Answer: $9 \times 9 \times 9 \times 9 = 9^4$. The base is 9 and the exponent is 4.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. (Lesson 6.1) What does $3 \div 1/4$ mean?

Circle the letter of the best answer. Show how you know.

- A. How many $1/4$ -size pieces fit into 3
- B. $1/4$ of 3
- C. 3 groups of $1/4$
- D. 3 minus $1/4$

Show your work

2. (Lesson 6.1) Which expression means 'how many $1/3$ -size pieces are in 2'?

Circle the letter of the best answer. Show how you know.

- A. $1/3 \div 2$
- B. $2 \div 1/3$
- C. $2 \times 1/3$
- D. $2 + 1/3$

Show your work

3. (Lesson 6.2) What is the reciprocal of $3/5$?

Circle the letter of the best answer. Show how you know.

- A. $1/3$
- B. $3/5$
- C. $5/3$
- D. $5/5$