

# Independent Skills Practice Books

## DIGITAL SAMPLE

Independent Skills Practice Books complement any math curriculum with multi-purpose practice problems perfect for homework, centers, review, and extra practice. Our team hopes this sample provides valuable insight into the content and format of these resources.

### About Accelerate Learning

Accelerate Learning is dedicated to transforming the STEM landscape. Through innovative solutions, we empower educators and engage learners to maximize growth and achievement. We want teachers AND students to have the tools they need to engage in STEM in a more meaningful way.

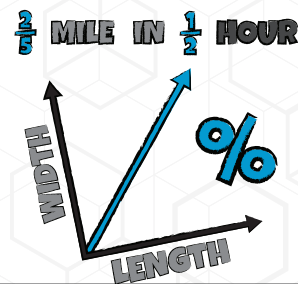
*Important Notice: This digital sample is only part of the full printed book and is not authorized for reprint or distribution. It is intended solely for your review and preview purposes. Your respect for our copyright ensures the continued availability and quality of our educational materials.*

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# SKILL E

I can compute unit rates associated with ratios of lengths, areas, and other quantities.



## GUIDED PRACTICE

Use the guiding tips to solve the problem. Scan the QR code to watch a video tutorial.

- 1 A trucker travels 12 miles per  $\frac{1}{4}$  hour. At this rate, what is the trucker's speed per hour?



### GUIDING TIPS

Use these if you need help.

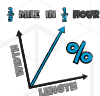
- A unit rate is a ratio per one.
- Divide the distance by the time to determine the unit rate.



### VIDEO TUTORIAL

A video about how to solve.





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### INDEPENDENT PRACTICE

Solve the following questions using the skills from problem 1.

- 2 The ratio 480 : 4 represents square feet of wall space to gallons of paint used to paint the wall of the auditorium. How many square feet of wall space were painted per gallon of paint?
- 3 It took Andrew 12 minutes to walk around the fitness track 5 times. At this rate:
  - a. How far did he walk per minute?
  - b. How long did it take him to walk one lap?
- 4 On average, Luis paints  $\frac{2}{5}$  of a room in  $\frac{1}{4}$  of an hour. What is Luis's painting rate per hour?
- 5 Patrick's bathroom has a leaky shower. He places a bucket underneath the shower nozzle to catch the leak. Over the course of 3 hours, the bucket collects  $\frac{3}{4}$  of a cup of water. What is the leak rate per hour?
- 6 A pool has a leak. Over the course of 4 hours, the pool loses 6 gallons of water. What is the leak rate per hour?