

ANSWERS

UNIT RATES

Instructions: Determine the unit rate for each problem.

Exercise 1:

A pack of 8 water bottles costs \$24. What is the cost per bottle?

Solution:

Divide the total cost by the number of bottles:
 $\$24 \div 8 \text{ bottles} = \3 per bottle.



Exercise 2:

A printer can print 600 pages in 4 hours. How many pages does it print per hour?

Solution:

Divide the total number of pages by the time:
 $600 \text{ pages} \div 4 \text{ hours} = 150 \text{ pages per hour.}$



Exercise 3:

A cyclist traveled 180 kilometers in 6 hours. What is their average speed in kilometers per hour?

Solution:

Divide the total distance by the time:
 $180 \text{ km} \div 6 \text{ hours} = 30 \text{ km per hour.}$



Exercise 4:

A worker packs 240 boxes in 8 hours. How many boxes does the worker pack per hour?

Solution:

Divide the total number of boxes by the hours worked:
 $240 \text{ boxes} \div 8 \text{ hours} = 30 \text{ boxes per hour.}$



How Did You Do? 😊 😐 😞