

MODULE

3

Rational Numbers

Module Quiz: D

- Dillon read $\frac{1}{5}$ of a book on Monday and $\frac{2}{5}$ of the book on Tuesday. What fraction of the book did he read on Monday and Tuesday?
 - $\frac{2}{25}$
 - $\frac{3}{10}$
 - $\frac{3}{5}$
- Which of the following is equal to $-2 - 5$?
 - 7
 - 3
 - 7
- Which of the following fractions is equal to a terminating decimal?
 - $\frac{1}{3}$
 - $\frac{2}{5}$
 - $\frac{7}{9}$
- A box of granola contains 16.8 ounces. It costs \$5.19. What is the cost, to the nearest cent, of the granola per ounce?
 - \$0.12
 - \$0.31
 - \$3.24
- What is the value of $(-0.8)(4.0)$?
 - 4.8
 - 3.2
 - 3.2
- A computer was on sale for $\frac{2}{3}$ of the original price. If the original price was \$900, what was the sale price?
 - \$300
 - \$600
 - \$1,350
- What is the value of $-2.4 \div 1.5$?
 - 1.6
 - 0.9
 - 1.6
- Tyrell was late for class 3 times in the month of June. Each time he was late he missed $5\frac{1}{2}$ minutes of class time. What is the total amount of class time Tyrell missed in the month of June?
 - $8\frac{1}{2}$ minutes
 - 15 minutes
 - $16\frac{1}{2}$ minutes
- Ben's family went on a car trip. They stopped for gas 4 times. Each time they stopped they spent an average of 15 minutes at the gas station. On their trip, about how much time did Ben's family spend stopping for gas?
 - 45 minutes
 - 60 minutes
 - 75 minutes
- Pietro sailed his sailboat 1,260 yards in 30 minutes. What is the average number of yards he traveled per minute?
 - 21
 - 30
 - 42

MODULE

4

Rates and Proportionality**Module Quiz: D**

1. A student used the complex fraction below to find a unit rate.

$$\frac{340 \text{ pages}}{\frac{3}{4} \text{ hour}}$$

Which quotient equals the fraction?

A $\frac{3}{4} \div 340$

B $\frac{4}{3} \div 340$

C $340 \div \frac{3}{4}$

2. Which speed is the fastest?

A 4 miles in $\frac{1}{3}$ hour

B $\frac{1}{3}$ mile in 4 hours

C $\frac{1}{2}$ mile in 3 hours

3. If 4.5 pounds of cherries cost \$10, what is the unit price?

A \$0.22 per pound

B \$0.45 per pound

C \$2.22 per pound

4. Which table shows a constant rate of change?

A

Hours	2	7	14
Earnings (\$)	40	60	80

B

Hours	2	7	14
Earnings (\$)	40	140	280

C

Hours	2	7	14
Earnings (\$)	40	70	140

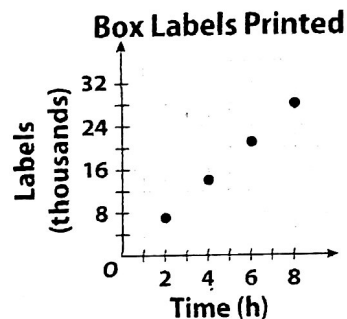
5. A student studies the same amount of time each day for a test. In 4 days, she studied 60 minutes. Which equation shows this relationship? Let x = the number of days.

A $y = 4x$

B $y = 15x$

C $y = 60x$

Use the graph for 6–7.



6. Draw a line through the points. How many labels are printed in 10 hours?

A 24

B 35

C 40

7. Which term best describes the relationship between time and number of labels printed?

A double

B decreasing

C proportional

8. Which of these is **not** an integer?

A $\frac{6}{3}$

C $\frac{6}{2}$

B $\frac{3}{6}$