Indicate the answer choice that best completes the statement or answers the question.

C. 1. At a summer camp, there are 40 boys out of 70 campers. What is this ratio written as a fraction in simplest form?
   a. \(\frac{3}{7}\)  b. \(\frac{1}{2}\)  c. \(\frac{4}{7}\)  d. \(\frac{7}{10}\)

\[
\frac{40}{70} = \frac{4}{7}
\]

D. 2. The table shows the animals at a petting zoo. What is the ratio of goats to the total number of animals?

<table>
<thead>
<tr>
<th>Animals at a Petting Zoo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chickens</td>
</tr>
<tr>
<td>Deer</td>
</tr>
<tr>
<td>Donkey</td>
</tr>
<tr>
<td>Goats</td>
</tr>
</tbody>
</table>

\[
\frac{6}{15} = \frac{2}{5}
\]

What is each rate written as a unit rate?

B. 3. 9 pages in 3 hours
   a. \(\frac{1 \text{ page}}{3 \text{ h}}\)  b. \(\frac{3 \text{ pages}}{1 \text{ h}}\)
   c. \(\frac{6 \text{ pages}}{1 \text{ h}}\)  d. \(\frac{9 \text{ pages}}{3 \text{ h}}\)

\[
\frac{P}{h} = \frac{9}{3} = \frac{3}{1} = \frac{3p}{1h}
\]

A. 4. 20 pounds for $4
   a. \(\frac{5 \text{ lb}}{\$1}\)  b. \(\frac{4 \text{ lb}}{\$1}\)
   c. \(\frac{1 \text{ lb}}{\$4}\)  d. \(\frac{1 \text{ lb}}{\$5}\)

\[
\frac{P}{\$} = \frac{20}{4} = \frac{5}{1} = \frac{5 \text{ lbs}}{\$1}
\]

B. 5. A manatee surfaced for 2 times in 60 seconds. How many seconds went by before the manatee surfaced the first time if it held its breath for the same rate?
   a. 60 s  b. 30 s
   c. 20 s  d. 10 s

\[
\frac{5}{1} = \frac{60}{x} = \frac{30}{x}
\]
Test 1A

Use the ratio table given to solve.

6. Nicholas bought 5 pens for $3. At this rate, how much will he spend on 10 pens?

<table>
<thead>
<tr>
<th>Number of Pens</th>
<th>5</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Money Spent ($)</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

- a. $10
- b. $6
- c. $5
- d. $3

7. Rashida bought 3 tickets to a concert for $75. At this rate, how much would 5 tickets cost?

<table>
<thead>
<tr>
<th>Number of Tickets</th>
<th>3</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Money Spent ($)</td>
<td>75</td>
<td>125</td>
</tr>
</tbody>
</table>

- a. $150
- b. $125
- c. $100
- d. $75

8. Gina read 120 pages in 4 days. Which reading rate is equivalent?

- a. 75 pages in 3 days
- b. 60 pages in 2 days
- c. 105 pages in 5 days
- d. 80 pages in 3 days

9. Five notebooks cost $20. At this rate, how much would 4 notebooks cost?

- a. $16
- b. $20
- c. $25
- d. $30

10. According to the key of a particular park map, every 5 inches on the map represents 3 miles of trails in the park. How many inches on the map represents 9 miles on the park trails?

- a. 5 in.
- b. 9 in.
- c. 5 in.
- d. 3 in.

11. One serving of a fruit punch recipe serves 16 people. Which of the following lists the ordered pairs (number of servings, number of people served) for 1, 2, 3, and 4 servings?

- a. (1, 16), (2, 32), (3, 48), (4, 64)
- b. (1, 16), (2, 32), (48, 3), (64, 4)
- c. (1, 16), (2, 32), (3, 48), (60, 4)
- d. (1, 32), (2, 48), (3, 64), (4, 80)

12. What is 32% of 60?

- a. 19.2
- b. 32
- c. 187.5
- d. 192

13. 16 is 20% of what number?

- a. 40
- b. 80
- c. 96
- d. 125
Test 1A

Which is the best estimate of each percent?

__ $\times$ 25% of 395
   a. 10   b. 100
   c. 1,000 d. 1,600

Complete.

D. 15. $4 \frac{2}{3}$ yd = _____ ft
    a. 10   b. 12
    c. $12 \frac{2}{3}$ d. 14

$3$ ft. = $1$ yd.

$$\frac{yd}{ft} = \frac{4 \frac{2}{3}}{14} = \frac{1}{3}$$