Name _____ Date _____

Match the equivalent forms.

A. $\frac{1}{2}$ B. 0.2   C. 0.$\overline{3}$ D. $\frac{3}{4}$

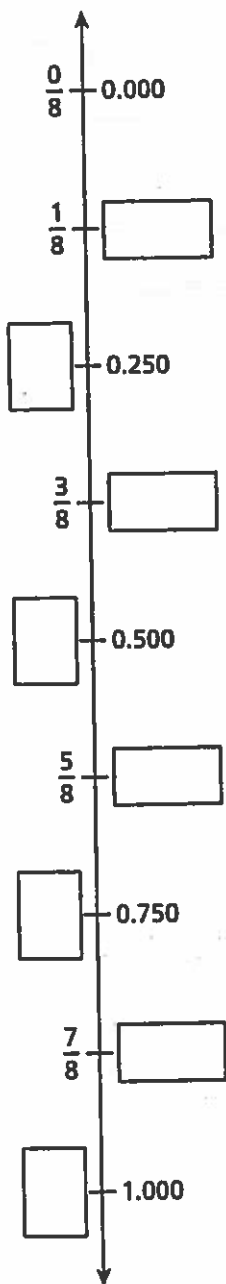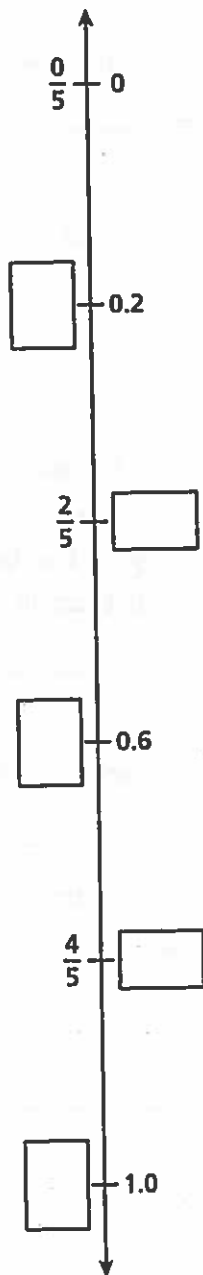1. 0.75 _____   2. $\frac{1}{3}$ _____   3. $\frac{2}{10}$ _____   4. 0.5 _____

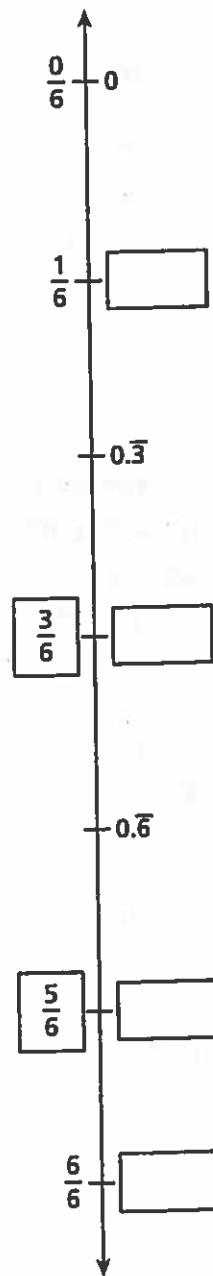**Complete the number line by writing each missing fraction and decimal in the given boxes.**

5.

$\frac{0}{8}$ — 0.000

$\frac{1}{8}$ — [ ]

[ ] — 0.250

$\frac{3}{8}$ — [ ]

[ ] — 0.500

$\frac{5}{8}$ — [ ]

[ ] — 0.750

$\frac{7}{8}$ — [ ]

[ ] — 1.000

6.

$\frac{0}{5}$ — 0

[ ] — 0.2

$\frac{2}{5}$ — [ ]

[ ] — 0.6

$\frac{4}{5}$ — [ ]

[ ] — 1.0

7.

$\frac{0}{6}$ — 0

$\frac{1}{6}$ — [ ]

[ ] — 0.$\overline{3}$

$\frac{3}{6}$ — [ ]

[ ] — 0.$\overline{6}$

$\frac{5}{6}$ — [ ]

$\frac{6}{6}$ — [ ]

Remembering

Solve for the unknown.

1. $5.67 - 3.86 = a$

$a =$ _____

2. $11{,}402.7 - b = 1{,}889.1$

$b =$ _____

3. $14.18 + v = 15.07$

$v =$ _____

4. $n - 79.069 = 83.801$

$n =$ _____

5. $1{,}450.9 + 87.12 = e$

$e =$ _____

6. $394.621 - 206.45 = c$

$c =$ _____

7. $y - 3.021 = 6.979$

$y =$ _____

8. $4.753 + m = 6.033$

$m =$ _____

9. $r(4 + 56) = 60$

$r =$ _____

10. $(9 \times 7) + (8 \times 2) = d$

$d =$ _____

11. $7j + 2 = 30$

$j =$ _____

12. $7g - 2 = 33$

$g =$ _____

Solve.

13. The students all have the same book to read. Khalil finished reading $\frac{6}{10}$ of the book. Laurence finished reading $\frac{3}{4}$ of the book. Nahlia read $\frac{3}{5}$ of the book. Who has read the same amount of the book? Explain.

_____

14. Jake ran 2.59 miles on Monday and 3.68 miles on Tuesday. Which day did he run the most? By how many more miles?

_____

15. For the yearbook, Patricia had taken 1,501 pictures from two school field trips. She took 768 pictures on the first field trip. How many pictures did she take on the second field trip?

_____

Fractional and Decimal Equivalencies