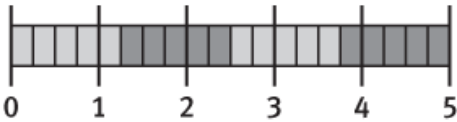


6th Grade Unit 1: Lesson 6-2

Check Your Understanding (p. 76):

1. (a) $\frac{3}{8}$ (b) $\frac{11}{60}$
(c) $9\frac{9}{10}$
2. Estimates may vary. Sample estimates are given.
(a) 7 (b) $\frac{1}{2}$
(c) 4
3. (a) $1\frac{1}{5}$ (b) $1\frac{1}{3}$
(c) $1\frac{1}{2}$ (d) $1\frac{1}{4}$
(e) $4\frac{4}{7}$ (f) $\frac{7}{27}$
(g) 5 (h) $3\frac{3}{28}$
(i) $1\frac{11}{15}$

Lesson 6-2 Practice (p. 76):

4. Estimates may vary. 8 candles
5. Estimates may vary. 8 boxes
6. (a) Possible model:

- (b) 4
7. $7\frac{1}{5}$ shelves. Students may answer 7 shelves, since a fraction of a shelf is of no use.
8. 16 costumes
9. $2\frac{1}{3}$ hours
10. (a) $1\frac{10}{23}$

(b) Answers may vary. Division is the inverse operation of multiplication. So divide 6 by $4\frac{2}{11}$ to find the number.

Activity 6 Practice Lesson 6-2 (p. 78):

10. B
11. A
12. B
13. \$25
14. 8 days
15. $4\frac{1}{4}$ yards
16. $6\frac{1}{4}$ hours
17. $59\frac{1}{3}$ rods
18. 55 students
19. Answers may vary.
(a) Rewrite mixed numbers as improper fractions.
(b) Rewrite division by a fraction as multiplication by the reciprocal of the fraction.
(c) Simplify by dividing numerator and denominator by common factors.
(d) Multiply the numerators and multiply the denominators.
(e) Simplify.