

Modeling division of a whole number by a fraction: Worksheet

14.3

Name Date Score

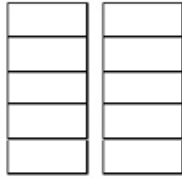
1. Divide $2 \div \frac{1}{5}$ using an area model.
2. Divide $2 \div \frac{1}{6}$ using an area model.
3. Divide $3 \div \frac{1}{5}$ using an area model.
4. Divide $3 \div \frac{1}{6}$ using an area model.
5. Divide $4 \div \frac{1}{5}$ using an area model.
6. Divide $4 \div \frac{1}{6}$ using an area model.
7. Divide $7 \div \frac{1}{3}$ using an area model.
8. Divide $7 \div \frac{1}{4}$ using an area model.
9. Divide $7 \div \frac{1}{5}$ using an area model.
10. Divide $7 \div \frac{1}{6}$ using an area model.



Solutions: Worksheet 14.3

1.

$$2 \div \frac{1}{5} = 2/1 \times 5/1 = 10$$



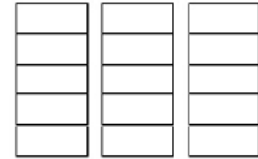
2.

$$2 \div \frac{1}{6} = 2/1 \times 6/1 = 12$$



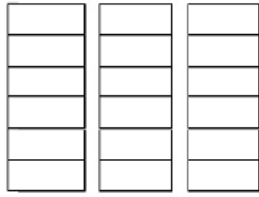
3.

$$3 \div \frac{1}{5} = 3/1 \times 5/1 = 15$$



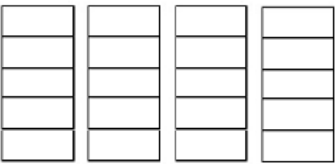
4.

$$3 \div \frac{1}{6} = 3/1 \times 6/1 = 18$$



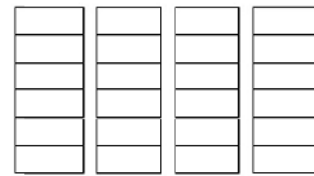
5.

$$4 \div \frac{1}{5} = 4/1 \times 5/1 = 20$$



6.

$$4 \div \frac{1}{6} = 4/1 \times 6/1 = 24$$



7.

$$7 \div \frac{1}{3} = 7/1 \times 3/1 = 21$$



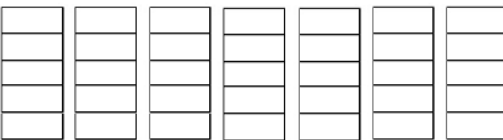
8.

$$7 \div \frac{1}{4} = 7/1 \times 4/1 = 28$$



9.

$$7 \div \frac{1}{5} = 7/1 \times 5/1 = 35$$



Solutions: Worksheet 14.3

10.

$$7 \div \frac{1}{6} = 7/1 \times 6/1 = 42$$

