

Modeling division of a whole number by a fraction: Worksheet 14.2

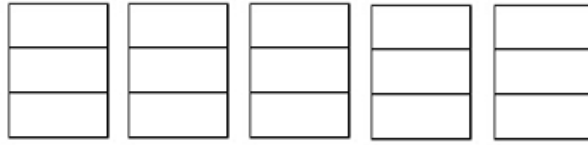
Name Date Score

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



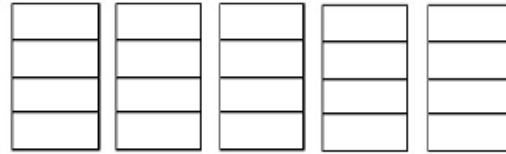
Solutions: Worksheet 14.2

1.



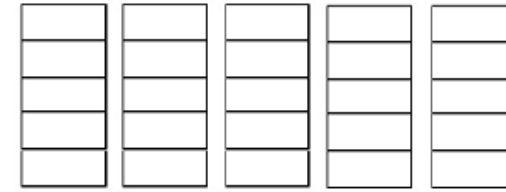
$$5 \div 1/3 = 5/1 \times 3/1 = 15$$

2.



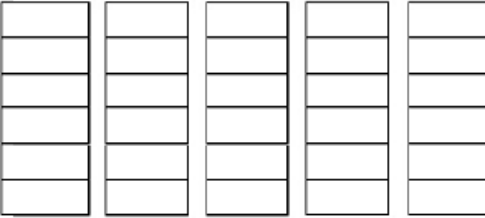
$$5 \div 1/4 = 5/1 \times 4/1 = 20$$

3.



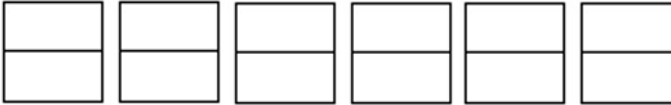
$$5 \div 1/5 = 5/1 \times 5/1 = 25$$

4.



$$5 \div 1/6 = 5/1 \times 6/1 = 30$$

5.



$$6 \div 1/2 = 6/1 \times 2/1 = 12$$

6.



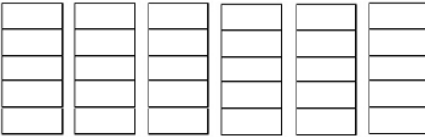
$$6 \div 1/3 = 6/1 \times 3/1 = 18$$

7.



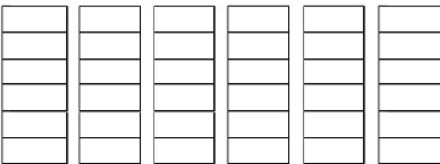
$$6 \div 1/4 = 6/1 \times 4/1 = 24$$

8.



$$6 \div 1/5 = 6/1 \times 5/1 = 30$$

9.



$$6 \div 1/6 = 6/1 \times 6/1 = 36$$



Solutions: Worksheet 14.2

10.

$$7 \div \frac{1}{2} = 7/1 \times 2/1 = 14$$

