

Name _____

Exploring

Dividing by Multiples of Ten

Write the basic fact that helps you find each quotient. Solve.

1. $30 \overline{)120}$ fact: _____

2. $20 \overline{)160}$ fact: _____

3. $40 \overline{)280}$ fact: _____

4. $50 \overline{)300}$ fact: _____

On graph paper, draw a model for each problem. Solve.

5. $100 \div 20 = n$ _____

6. $120 \div 60 = n$ _____

Record each quotient in the place-value chart.

7. $4 \overline{)24}$
 $40 \overline{)240}$
 $40 \overline{)2,400}$

Place-Value Chart	
Tens	Ones

8. $6 \overline{)54}$
 $60 \overline{)540}$
 $60 \overline{)5,400}$

Place-Value Chart	
Tens	Ones

9. $8 \overline{)40}$
 $80 \overline{)400}$
 $80 \overline{)4,000}$

Place-Value Chart	
Tens	Ones

10. $7 \overline{)56}$
 $70 \overline{)560}$
 $700 \overline{)5,600}$

Place-Value Chart	
Tens	Ones

NUMBER SENSE

Write $<$, $>$, or $=$ to compare the quotients.

11. $56 \div 8$ \bigcirc $560 \div 80$

12. $15 \div 3$ \bigcirc $1,500 \div 30$

13. $280 \div 70$ \bigcirc $28 \div 7$

14. $3,600 \div 60$ \bigcirc $360 \div 60$

Exploring: Dividing by Multiples of Ten

Answer Key

1. $12 \div 3 = 4$
2. $16 \div 2 = 8$
3. $28 \div 4 = 7$
4. $30 \div 5 = 6$
- 5.–6. Check models.
5. $n = 5$
6. $n = 2$
- 7.–10. Check place-value charts.
7. 6, 6, 60
8. 9, 9, 90
9. 5, 5, 50
10. 8, 8, 8
11. =
12. <
13. =
14. >

