

Additional Practice 5.5

NAME _____

Module 5 Decimal Operations, Exponents, and Powers
Lesson 5 Dividing Decimals

Estimate.

1. $50.05 \div 6.81$

$49 \div 7 = 7$
 $50.05 \div 6.81 \approx 7$

2. $889.3 \div 86.1$

$900 \div 90 = 10$
 $889.3 \div 86.1 \approx 10$

3. $56.4 \div 5.75$

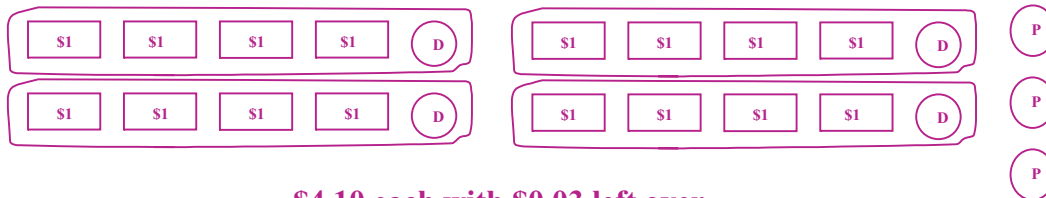
$600 \div 60 = 10$
 $56.4 \div 5.75 \approx 10$

4. $242.62 \div 8.4$

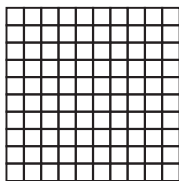
$2400 \div 80 = 30$
 $242.62 \div 8.4 \approx 30$

Divide using a model.

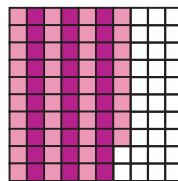
5. If \$16.43 is divided evenly among four brothers, how much does each brother receive? What, if anything, is left over?



6. How many dimes are in \$0.68? If necessary, express the remainder as a decimal part of a dime.



6.8 dimes



7. How many quarters are in \$3.50? If necessary, express the remainder as a decimal part of a quarter.



Estimate and divide.

8. $1 \div 8$

$$\begin{aligned} 1 \div 8 &\approx 0.1 \\ 1 \div 8 &= 0.125 \end{aligned}$$

9. $4 \div 11$

$$\begin{aligned} 4 \div 11 &\approx 0.3 \\ 4 \div 11 &= 0.\overline{36} \end{aligned}$$

10. $43.2 \div 16$

$$\begin{aligned} 45 \div 15 &= 3 \\ 43.2 \div 16 &\approx 3 \\ 43.2 \div 16 &= 2.7 \end{aligned}$$

11. $191.52 \div 21$

$$\begin{aligned} 200 \div 20 &= 10 \\ 191.52 \div 21 &\approx 10 \\ 191.52 \div 21 &= 9.12 \end{aligned}$$

12. $4.38 \div 0.6$

$$\begin{aligned} 42 \div 6 &= 7 \\ 4.38 \div 0.6 &\approx 7 \\ 4.38 \div 0.6 &= 7.3 \end{aligned}$$

13. $28.98 \div 2.3$

$$\begin{aligned} 300 \div 25 &= 12 \\ 28.98 \div 2.3 &\approx 12 \\ 28.98 \div 2.3 &= 12.6 \end{aligned}$$

14. $1,817.2 \div 30.8$

$$\begin{aligned} 1800 \div 30 &= 60 \\ 1,817.2 \div 30.8 &\approx 60 \\ 1,817.2 \div 30.8 &= 59 \end{aligned}$$

15. $21.614 \div 0.202$

$$\begin{aligned} 20,000 \div 200 &= 100 \\ 21.614 \div 0.202 &\approx 100 \\ 21.614 \div 0.202 &= 107 \end{aligned}$$

16. $58.275 \div 3.15$

$$\begin{aligned} 6000 \div 300 &= 20 \\ 58.275 \div 3.15 &\approx 20 \\ 58.275 \div 3.15 &= 18.5 \end{aligned}$$

Simplify.

17. $3.15 \div 0.45 \div 0.9$

$$7.\overline{7}$$

18. $2.3 \times 6.1 \div 0.25$

$$56.12$$