

Dividing Decimals



Homework

Luis thought about expanded form when he solved this division problem:

$$2.4 \div 0.04 = (2 + .4) \div 0.04$$

2 is the same as 200 hundredths.

200 hundredths \div 4 hundredths = **50**

.4 is the same as 40 hundredths.

40 hundredths \div 4 hundredths = **10**

50 + 10 = 60

1. Think about expanded form and complete the sentences to solve the problem.

A. $4.8 \div 0.2 = (4 + .8) \div 0.2$

4 is the same as tenths.

.8 is the same as tenths.

tenths \div 2 tenths =

tenths \div 2 tenths =

$4.8 \div 0.2 =$ _____

B. $8.4 \div 0.04 = (8 + .4) \div 0.04$

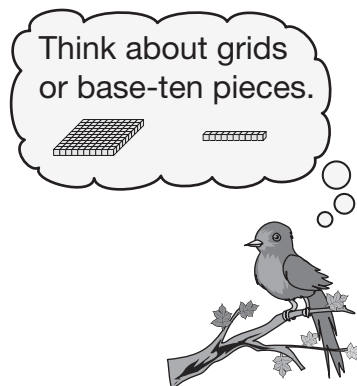
8 is the same as hundredths.

4 tenths is the same as hundredths.

hundredths \div 4 hundredths =

hundredths \div 4 hundredths =

$8.4 \div 0.04 =$ _____



- 2. A.** Use the grids to solve $1.6 \div 0.4$. **B.** Solve $1.6 \div 4$ a different way.

$1.6 \div 0.4 =$ _____

Use any strategy to solve the division problems in Questions 3–5. More grids are available on the following pages. Show your work.

- 3. A.** $4 \div .08$ **B.** $3.5 \div 0.5$ **C.** $0.36 \div 0.04$

4. Mrs. Greene wants to plant a row of basil plants. The row is 9.6 meters long, and she wants the basil plants 0.3 meters apart. How many basil plants can she plant in this row?

5. Mrs. Greene buys a 2.7-gram packet of Sweet Pea seeds. Each seed weighs 0.09 grams. How many seeds are in the packet?

Hundredths Grids

