

MY Homework

Lesson 5

Divide with Remainders

Homework Helper



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Find $62 \div 4$.

1 Divide the tens.

$$\begin{array}{r} 1 \\ 4 \overline{)62} \end{array}$$

Divide. How many groups of 4 are in 6 tens? 1 group of ten.
Put 1 in the quotient over the tens place.

2 Multiply, subtract, and compare.

$$\begin{array}{r} 1 \\ 4 \overline{)62} \\ - 4 \\ \hline 2 \end{array}$$

Multiply. $4 \times 1 = 4$

Subtract. $6 - 4 = 2$

Compare. $2 < 4$

3 Bring down the ones.

$$\begin{array}{r} 1 \\ 4 \overline{)62} \\ - 4 \\ \hline 22 \end{array}$$

Bring down 2 ones. There are 22 ones in all.

4 Divide the ones.

$$\begin{array}{r} 15 \text{ R}2 \\ 4 \overline{)62} \\ - 4 \\ \hline 22 \\ - 20 \\ \hline 2 \end{array}$$

How many groups of 4 are in 22? There are 5 ones in each group.

Put 5 in the quotient over the ones place.

Multiply. $4 \times 5 = 20$

Subtract. $22 - 20 = 2$

Compare. $2 < 4$

So, $62 \div 4 = 15 \text{ R}2$.

Practice

Divide. Check using multiplication.

1. $5 \overline{)76}$

2. $2 \overline{)39}$

3. $4 \overline{)95}$

4. $6 \overline{)86}$

5. $8 \overline{)99}$

6. $3 \overline{)80}$



Problem Solving

7. **Mathematical PRACTICE 2 Reason** Mitzi has 38 coins. She divides the coins equally among herself and her 3 brothers. How many coins does each person get? Are any coins left over?

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8. There are 26 third graders and 32 fourth graders going on a field trip. Each van can carry 10 students.

How many vans are needed? _____

How many students will be in each van?

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9. In Jonah's restaurant, each table seats 4 people. Jonah has 78 napkins to place at the tables.

How many tables can Jonah set with the napkins he has? _____

How many napkins will Jonah need to complete one more table? _____

Test Practice

10. Wes bought 62 songs. He wants to put an equal number of songs on 5 different discs. How many songs will be left over?

- (A) 4 songs (C) 2 songs
(B) 3 songs (D) 1 song