Week

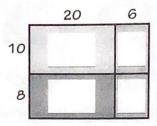
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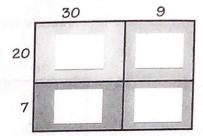
Name _____

Share and Show MATH BOARD



Find the product.





Draw a model to represent the product. Then record the product.

8. Write Math Explain how modeling partial products can be used to find the products of greater numbers.

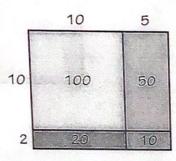
oblem Solving



HOT. Sense or Nonsense?

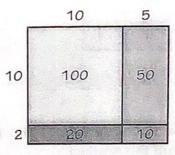
9. Jamal and Kim used different ways to solve 12×15 by using partial products. Whose answer makes sense? Whose answer is nonsense? Explain your reasoning.

Jamal's Work



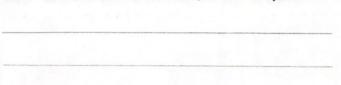
$$100 + 20 + 10 = 130$$

Kim's Work



$$120 + 60 = 180$$

- a. For the answer that is nonsense, write an answer that makes sense.
- b. Look at Kim's method. Can you think of another way Kim could use the model to find the product? Explain.





The apples from each tree in an orchard can fill 23 bushel baskets. If 1 row of the orchard has 48 trees, how many baskets of apples can be filled?

Multiply. 48×23

Estimate.
$$50 \times 20 =$$

THINK

RECORD

STEP 1

23 \times 48

Multiply the tens by the tens.

tens =

STEP 2

Multiply the ones by the tens.

 \times 48 800

23

← 40 × ones =

STEP 3

23 \times 48

Multiply the tens by the ones.

800 120

 \leftarrow 8 \times _____ tens = ____ tens

STEP 4

Multiply the ones by the ones. Then add the partial products.

23

160

 $\times 8 \rightarrow$ ones =

So, 1,104 baskets can be filled.

Math Talk How do you know your answer is reasonable?

Share and Show MATH



1. Find 24×34 .

	30	4
20	600	80
4	120	16

1	3	4	
×	2	4	
	-		

ame

Record the product.

Math Talk Explain how to model and record 74 × 25.

On Your Own

Record the product.

Practice: Copy and Solve Record the product.

11.
$$46 \times 27$$

12.
$$72 \times 53$$

H.O.T. Algebra Find the unknown digits. Complete the problem.

2

6

3

Divide. Use partial quotients.

⊘ 2. 3)225

Divide. Use rectangular models to record the partial quotients.

Explain how you could solve Problems 2 and 3 a different way.

On Your Own

Divide. Use partial quotients.

Divide. Use rectangular models to record the partial quotients.

9.
$$475 \div 5 =$$
 _____ | **10.** $219 \div 3 =$ _____ | **11.** $488 \div 4 =$

Practice: Copy and Solve Divide. Use either way to record the partial quotients.

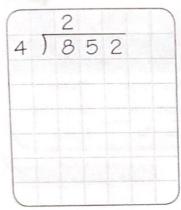
Share and Show MATH BOARD



1. Ollie used 852 beads to make 4 bracelets. He put the same number of beads on each bracelet. How many beads does each bracelet have? Check your answer.



Divide.



Check.



Explain how you could check if your quotient is correct.

beads. So, each bracelet has

Divide and check.

2. 2)394

♂ 3. 2)803

4. 4) 3,448

On Your Own

Divide and check.

5. 2)816

6. 4) 709

7. 3) 267

8. 6) 1,302

9. 8) 9,232

10. 9) 1,020



Chapter Review/Test

▶ Vocabulary

Choose the best term from the box.

1. When a number cannot be divided evenly, the amount

left over is called the ______ (p. 142)

2. You use the _____ method of dividing when multiples of the divisor are subtracted from the dividend and then the quotients are added together. (p. 167)

Vocabulary

compatible numbers
partial quotient
remainder

Concepts and Skills

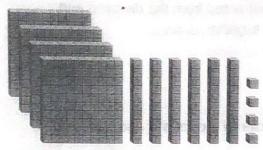
Use grid paper or base-ten blocks to model the quotient. Then record the quotient.

Find two numbers the quotient is between. Then estimate the quotient.

Divide.

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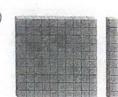
- There are 96 tourists who have signed up to tour the island. The tourists are assigned to 6 equal-size groups. How many tourists are in each group?
 - **A** 1 r3
 - B 1 r6
 - C 11
 - **D** 16
- Maria needs to share the base-ten blocks equally among 4 equal groups.



Which model shows how many are in each equal group?

- A
 - A
- ©

B



D



- 17. Manny has 39 rocks. He wants to put the same number of rocks in each of 7 boxes. Which sentence shows how many rocks will be in each box?
 - A He will need 6 boxes.
 - B There will be 6 rocks in each box.
 - C There will be 5 rocks in each box.
 - (D) There will be 5 rocks left over.

- 18. There are 176 students in the marching band. They are arranged in equal rows of 8 students for a parade. How many rows of students are there?
 - (A) 220 rows
 - (B) 120 rows
 - (C) 22 rows
 - D 21 rows
- 19. Naomi wants to plant 387 tulip bulbs in 9 equal rows. She uses division to find the number of tulips in each row. In which place is the first digit of the quotient?
 - (A) ones
 - (B) tens
 - C hundreds
 - (D) thousands
- 20. Kevin and 2 friends are playing a game of cards. There are 52 cards in the deck to be shared equally. Kevin wants each player to receive the same number of cards. How many cards will each player receive? How many cards will be left over?
 - (A) 16 cards and 4 cards left over
 - B 17 cards and 1 card left over
 - (C) 25 cards and 2 cards left over
 - (D) 26 cards and no cards left over
- 21. Which number is the quotient?

$$1.125 \div 5 = \blacksquare$$

- (A) 25
- B 105
- C 125
- D 225