

Name _____

Multiply with Regrouping

COMMON CORE STANDARD CC.4.NBT.5

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Estimate. Then find the product.

1. Estimate: 2,700

$$\begin{array}{r} \overline{) 87} \\ \times 32 \\ \hline 174 \\ + 2,610 \\ \hline 2,784 \end{array}$$

Think: 87 is close to 90 and 32 is close to 30.

$$90 \times 30 = 2,700$$

2. Estimate: _____

$$\begin{array}{r} 73 \\ \times 28 \\ \hline \end{array}$$

3. Estimate: _____

$$\begin{array}{r} 48 \\ \times 38 \\ \hline \end{array}$$

4. Estimate: _____

$$\begin{array}{r} 59 \\ \times 52 \\ \hline \end{array}$$

5. Estimate: _____

$$\begin{array}{r} 84 \\ \times 40 \\ \hline \end{array}$$

6. Estimate: _____

$$\begin{array}{r} 83 \\ \times 77 \\ \hline \end{array}$$

7. Estimate: _____

$$\begin{array}{r} 91 \\ \times 19 \\ \hline \end{array}$$

Problem Solving

8. Baseballs come in cartons of 84 baseballs. A team orders 18 cartons of baseballs. How many baseballs does the team order?

9. There are 16 tables in the school lunch room. Each table can seat 22 students. How many students can be seated at lunch at one time?

Lesson Check (CC.4.NBT.5)

1. The art teacher has 48 boxes of crayons. There are 64 crayons in each box. Which is the best estimate of the number of crayons the art teacher has?
(A) 2,400
(B) 2,800
(C) 3,000
(D) 3,500
2. A basketball team scored an average of 52 points in each of 15 games. How many points did the team score in all?
(A) 500
(B) 312
(C) 780
(D) 1,000

Spiral Review (CC.4.OA.1, CC.4.OA.2, CC.4.OA.3, CC.4.NBT.5)

3. One Saturday, an orchard sold 83 bags of apples. There are 27 apples in each bag. Which expression represents the total number of apples sold? (Lesson 3.4)
(A) $16 + 6 + 56 + 21$
(B) $160 + 60 + 56 + 21$
(C) $160 + 60 + 560 + 21$
(D) $1,600 + 60 + 560 + 21$
4. Hannah has a grid of squares that has 12 rows with 15 squares in each row. She colors 5 rows of 8 squares in the middle of the grid blue. She colors the rest of the squares red. How many squares does Hannah color red? (Lesson 2.9)
(A) 40
(B) 140
(C) 180
(D) 220
5. Gabriella has 4 times as many erasers as Leona. Leona has 8 erasers. How many erasers does Gabriella have? (Lesson 2.1)
(A) 32
(B) 24
(C) 12
(D) 2
6. Phil has 3 times as many rocks as Peter. Together, they have 48 rocks. How many more rocks does Phil have than Peter? (Lesson 2.2)
(A) 36
(B) 24
(C) 16
(D) 12