

Partial-Quotients Division

Lesson 6-4

DATE

TIME



Estimate. Write a number model with an unknown to represent the problem.

Then solve using partial-quotients division.

- 1 There are 6 pencils in each pack of pencils. How many packs can be made from 96 pencils?

$$6 \overline{)96}$$

Estimate: _____

Number model with unknown: _____

Answer: _____ pack(s)

- 2 Deon has \$84 to use to purchase books. Books cost \$7 each. How many books can Deon buy?

$$7 \overline{)84}$$

Estimate: _____

Number model with unknown: _____

Answer: _____ book(s)

- 3 Jayla ran 3 miles in 42 minutes. If she ran all 3 miles in the same amount of time, how many minutes did it take her to run each mile?

$$3 \overline{)42}$$

Estimate: _____

Number model with unknown: _____

Answer: _____ minute(s)

- 4 Mrs. Garner wants to divide all of the fourth graders into groups of 8 for a music program. If there are 96 students, how many groups will she have?

$$8 \overline{)96}$$

Estimate: _____

Number model with unknown: _____

Answer: _____ group(s)

- 5 Solve. Use a partitioned rectangle to explain your solution.

Peyton bought a piece of licorice that measured 72 inches long. She wants to give 6 inches of licorice to each of her friends. How many friends can Peyton give licorice to?

Estimate: _____

Number model with unknown: _____

Answer: _____ friend(s)