

# ANSWERS

## BAR MODELS

**Instructions:** For each problem, draw a bar model to represent the division. Then, solve the problem by determining how many groups or parts can be made. Write your answer in the space provided.

- a) There are 20 pencils. When sold, they are packed in boxes of 4. How many boxes can be made with 20 pencils?

Bar Model: 

Solution:  $\frac{20 \text{ pencils}}{4 \text{ pencils per box}} = 5 \text{ boxes}$

Answers: **5 boxes can be made with 20 pencils.**

- b) A gardener has 24 flowers. When planting, he places them in groups of 3. How many groups can he make with 24 flowers?

Bar Model: 

Solution:  $\frac{24 \text{ flowers}}{3 \text{ flowers per group}} = 8 \text{ groups}$

Answers: **8 groups can be made with 24 flowers.**

- c) A baker has 15 cupcakes. He wants to place them in boxes of 5. How many boxes can he fill with 15 cupcakes?

Bar Model: 

Solution:  $\frac{15 \text{ cupcakes}}{5 \text{ cupcakes per box}} = 3 \text{ boxes}$

Answers: **3 boxes can be filled with 15 cupcakes.**

How Did You Do? 