

Chapter 4 Review/Test



Personal Math Trainer

Online Assessment and Intervention

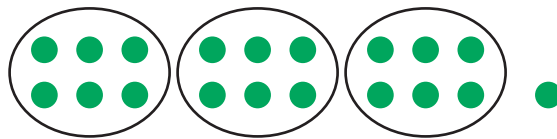
1. There are 9 showings of a film about endangered species at the science museum. A total of 459 people saw the film. The same number of people were at each showing. About how many people were at each showing? Select the numbers the quotient is between.

A 40
 B 50
 C 60
 D 70
 E 80

2. Between which two numbers is the quotient of $87 \div 5$? Write the numbers in the boxes.

The quotient is between and .

3. Look at the model. What division does it show?



_____ \div _____ \rightarrow _____ r _____

4. For 4a–4d, choose Yes or No to tell whether the division sentence has a remainder.

- | | | |
|-----------------|---------------------------|--------------------------|
| 4a. $28 \div 4$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 4b. $35 \div 2$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 4c. $40 \div 9$ | <input type="radio"/> Yes | <input type="radio"/> No |
| 4d. $45 \div 5$ | <input type="radio"/> Yes | <input type="radio"/> No |

5. A park guide plans the swan boat rides for 40 people. Each boat can carry 6 people at a time. What is the best way to interpret the remainder in this situation so that everyone gets a ride?

6. Nolan divides his 88 toy cars into boxes. Each box holds 9 cars. How many boxes does Nolan need to store all of his cars?

_____ boxes

7. A group of 140 tourists are going on a tour. The tour guide rents 15 vans. Each van holds 9 tourists.

Part A

Write a division problem that can be used to find the number of vans needed to carry the tourists. Then solve.

Part B

What does the remainder mean in the context of the problem?

Part C

How can you use your answer to determine if the tour guide rented enough vans? Explain.

8. Solve.

$3,200 \div 8 = \underline{\hspace{2cm}}$

Name _____

9. Which quotients are equal to 300? Mark all that apply.

A $1,200 \div 4$

C $2,400 \div 8$

E $90 \div 3$

B $180 \div 9$

D $2,100 \div 7$

F $3,000 \div 3$

10. Margo estimated $188 \div 5$ to be between 30 and 40. Which basic facts did she use to help her estimate? Mark all that apply.

A $10 \div 5$

B $15 \div 5$

C $20 \div 5$

D $25 \div 5$

11. Mathias and his brother divided 2,029 marbles equally. About how many marbles did each of them receive?

12. For 12a–12d, choose Yes or No to show how to use the Distributive Property to break apart the dividend to find the quotient $132 \div 6$.

12a. $(115 \div 6) + (17 \div 6)$ Yes No

12b. $(100 \div 6) + (32 \div 6)$ Yes No

12c. $(90 \div 6) + (42 \div 6)$ Yes No

12d. $(72 \div 6) + (60 \div 6)$ Yes No

13. There are 60 people waiting for a river raft ride. Each raft holds 15 people. Silvia used the work below to find the number of rafts needed. Explain how Silvia's work can be used to find the number of rafts needed.

$$\begin{array}{r} 15 \overline{)60} \\ \underline{-15} \\ 45 \\ \underline{-15} \\ 30 \\ \underline{-15} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

14. A traveling circus brings along everything it needs for a show in big trucks.

Part A

The circus sets up chairs in rows with 9 seats in each row. How many rows will need to be set up if 513 people are expected to attend the show?

_____ rows

Part B

Can the rows be divided into a number of equal sections? Explain how you found your answer.

Part C

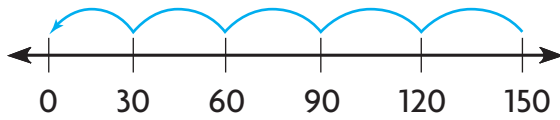
Circus horses eat about 250 pounds of horse food per week. About how many pounds of food does a circus horse eat each day? Explain.

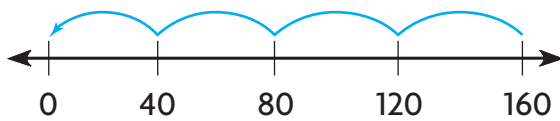
15. Hilda wants to save 825 digital photographs in an online album. Each folder of the album can save 6 photographs. She uses division to find out how many full folders she will have. In what place is the first digit of the quotient?
-

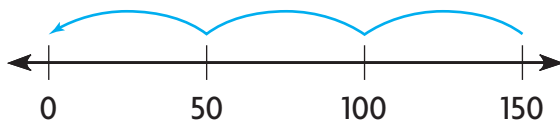
Name _____

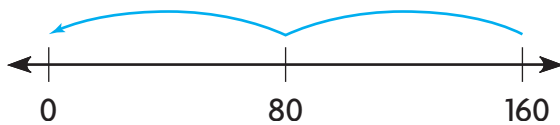
16. Which model matches each expression? Write the letter in the box next to the model.

- A $160 \div 80$
B $150 \div 30$
C $160 \div 40$
D $150 \div 50$









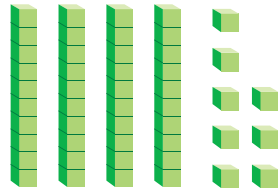
17. Popcorn was donated for the school fair by 3 different popcorn vendors. They donated a total of 636 bags of popcorn. Each vendor donated the same number of bags. How many bags of popcorn did each vendor donate?

_____ bags

18. Use partial quotients. Fill in the blanks.

$8 \overline{)832}$		
— 	100×8	
		
— 	4×8	
		

19. Zack needs to divide these base-ten blocks into 3 equal groups.



Draw or describe a model to show how many are in each group.

20. Jim needs to divide 750 coupon books equally among 9 stores. In which place is the first digit of the quotient? Choose the word that makes the sentence true.

The first digit of the quotient is in the

- ones
tens
hundreds
thousands

place.

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21. **THINK SMARTER +** Ursula bought 9 dozen rolls of first aid tape for the health office. The rolls were divided equally into 4 boxes. How many rolls are in each box?

_____ rolls

22. **GO DEEPER** There are 112 seats in the school auditorium. There are 7 seats in each row. There are 70 people seated, filling up full rows of seats. How many rows are empty?

_____ rows

