

Homework & Practice 5-1

Mental Math: Find Quotients

Another Look!



When dividing numbers that end in zero, use basic division facts and patterns to help divide mentally.

Find $210 \div 7$.

What is the basic fact?

$$21 \div 7 = 3$$

$$21 \text{ tens} \div 7 = 3 \text{ tens or } 30$$

$$210 \div 7 = 30$$

Find $4,200 \div 6$.

What is the basic fact?

$$42 \div 6 = 7$$

$$42 \text{ hundreds} \div 6 = 7 \text{ hundreds or } 700$$

$$4,200 \div 6 = 700$$

For **1–20**, use basic facts, patterns, or mental math to divide.

1. $25 \div 5 =$ _____	2. $14 \div 2 =$ _____	3. $30 \div 5 =$ _____	4. $16 \div 4 =$ _____
$250 \div 5 =$ _____	$140 \div 2 =$ _____	$300 \div 5 =$ _____	$160 \div 4 =$ _____
$2,500 \div 5 =$ _____	$1,400 \div 2 =$ _____	$3,000 \div 5 =$ _____	$1,600 \div 4 =$ _____

5. $120 \div 6$	6. $720 \div 9$	7. $200 \div 4$	8. $2,800 \div 7$
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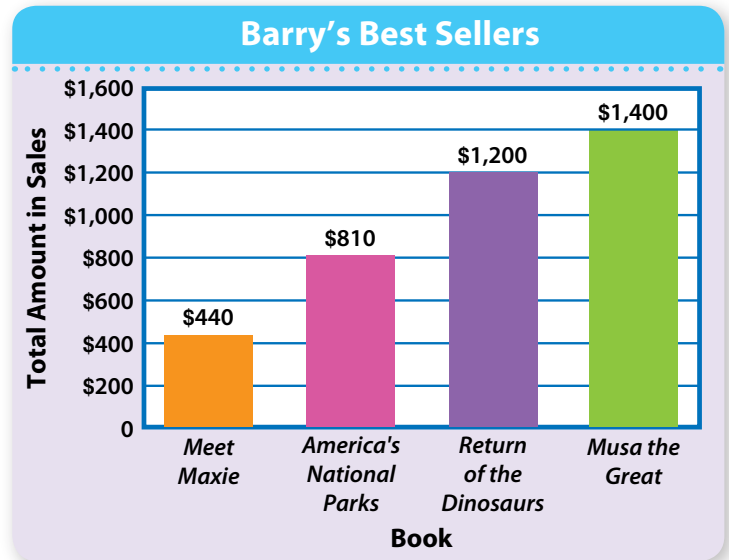
9. $5,000 \div 5$	10. $240 \div 8$	11. $3,600 \div 4$	12. $1,600 \div 2$
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13. $4,200 \div 7$	14. $640 \div 8$	15. $2,000 \div 5$	16. $320 \div 8$
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17. $810 \div 9$	18. $270 \div 3$	19. $1,200 \div 2$	20. $300 \div 6$
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For 21–23, use the graph at the right.

21. Barry charged \$4 for each copy of *Return of the Dinosaurs*. How many copies did Barry sell?
22. Barry charged \$9 for each copy of *America's National Parks*. How many copies did Barry sell?
23. Barry charged \$7 for each copy of *Musa the Great*. How many copies did Barry sell?



24. © **MP.3 Construct Arguments** Explain why the following quotient is incorrect: $1,000 \div 5 = 2,000$.

25. **Higher Order Thinking** The band boosters collected \$2,400 from the sale of hamburgers and hot dogs. The amounts earned from hamburgers and hot dogs were equal. A hamburger sold for \$3, and a hot dog sold for \$2. How many of each were sold?

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26. Jessica has 120 stamps in a collection. She bought 60 more. Jessica wants to place the stamps equally on 6 pages of a book. How many stamps will be on each page of the book?
- (A) 20 stamps
(B) 25 stamps
(C) 30 stamps
(D) 40 stamps
27. There are 7 days in 1 week. Some months consist of 30 days. How many weeks are there in 280 days?
- (A) 37 weeks
(B) 40 weeks
(C) 70 weeks
(D) 73 weeks