

Key Concept and Vocabulary

Find $8 \div 2$.

Think: 2 times what number is 8?

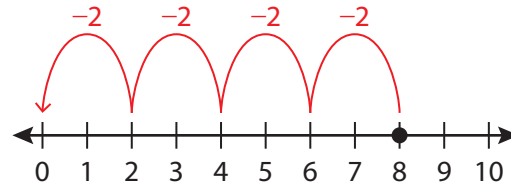
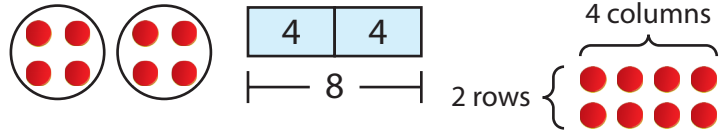
$2 \times 4 = 8$. So, $8 \div 2 = 4$.

Divide.



Visual Models

Find $8 \div 2$.



$$8 \div 2 = 4 \text{ or } 2 \overline{)8}^4$$

Skill Examples

1. $0 \div 6 = 0$

2. $7 \div 1 = 7$

3. $18 \div 2 = 9$

4. $24 \div 3 = 8$

5. $4 \div 4 = 1$

6. $15 \div 5 = 3$

7. $36 \div 6 = 6$

8. $14 \div 7 = 2$

9. $8 \overline{)40}^5$

10. $9 \overline{)90}^{10}$

Application Example

11. You and a friend play a flip and find game. You arrange 32 cards in 4 equal rows. How many cards are in each row?

$$32 \div 4 = 8$$

There are 8 cards in each row.



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Check your answers at BigIdeasMath.com.

Find the quotient.

12. $50 \div 5 = \underline{10}$

13. $16 \div 8 = \underline{2}$

14. $12 \div 1 = \underline{12}$

15. $48 \div 6 = \underline{8}$

16. $3 \overline{)0}^0$

17. $4 \overline{)28}^7$

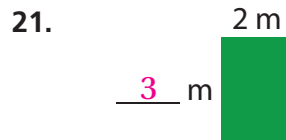
18. $7 \overline{)42}^6$

19. $3 \overline{)27}^9$

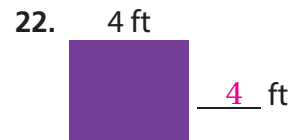
Find the length of the missing side of the rectangle.



Area = 45 square inches



Area = 6 square meters



Area = 16 square feet

23. **SUMMER CAMP** There are 54 girls at a summer camp. The girls are divided equally into 6 cabins. How many girls are in each cabin? 9 girls

24. **RECYCLING** You recycle the same number of bottles each day for 7 days. You recycle 29 plastic bottles and 27 glass bottles altogether. How many bottles do you recycle each day? Explain. 8 bottles; $29 + 27 = 56$, and $56 \div 7 = 8$