

**Write the correct answer.**

**Write an equation.**

1. The number of ash trees on a tree farm is 5 times the number of pine trees. What multiplication equation compares the number of ash trees and pine trees?

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**Write an equation to solve the problem. Then solve.**

*Show your work.*

2. Katie canned 182 quarts of tomatoes last week. She canned 259 quarts of tomatoes this week. How many quarts of tomatoes did Katie can in all?

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\_\_\_\_\_

3. Elliot sent 217 text messages last week. If he sends 217 text messages each week for 4 weeks, how many text messages will he send in all?

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\_\_\_\_\_

4. There are 14 people in line for the carousel. There are 4 times as many people in line for the roller coaster. How many people are in line for the roller coaster?

\_\_\_\_\_  
\_\_\_\_\_

5. There are 1,342 players in the baseball league. That is 2 times the number of players in the football league. How many players are in the football league?

\_\_\_\_\_  
\_\_\_\_\_

6. A school ordered 688 T-shirts in small, medium, and large sizes. There are 296 small and 268 medium T-shirts. How many T-shirts are large?

*Show your work.*

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Solve for  $\square$  or  $n$ .

7.  $(16 + 12) \div (11 - 7) = n$

$n =$  \_\_\_\_\_

8.  $(17 - 9) \cdot 4 = \square \cdot 4$

$\square =$  \_\_\_\_\_

List all factor pairs for the number.

9. 23

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10. 54

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Write whether the number is *prime* or *composite*.

11. 49

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12. 53

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Tell whether the number is a multiple of 8.

Write *yes* or *no*.

13. 28

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14. 72

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Use the rule to find the next 3 terms in the pattern.

15. 4, 8, 16, 32, ...

Rule: multiply by 2

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16. 65, 95, 125, 155, ...

Rule: add 30

\_\_\_\_\_

17. 2, 6, 18, 54, ...

Rule: multiply by 3

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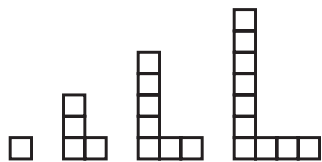
Describe the next term of the pattern.

18.



\_\_\_\_\_

19.



\_\_\_\_\_

\_\_\_\_\_

Write an equation to solve the problem. Then solve.

*Show your work.*

20. A team of workers is building a 942-foot trail. They plan to complete 6 feet per hour. How many hours will it take to build the trail?

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\_\_\_\_\_

21. Roger ships a large number of packages. Then he ships 3,820 more packages. Roger ships 22,540 packages in all. How many packages did he ship first?

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\_\_\_\_\_

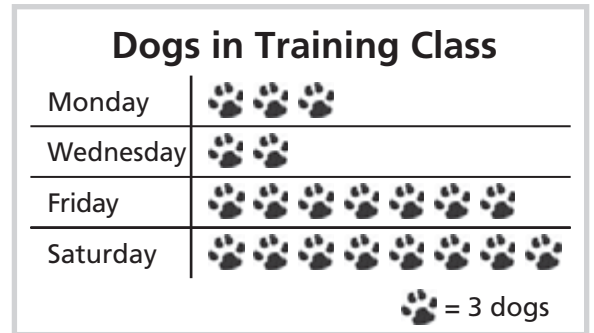
Use the picture graph for 22–23. Write an equation to solve the comparison problem. Then solve.

*Show your work.*

22. How many fewer dogs were in training class on Monday than on Friday?

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\_\_\_\_\_



23. How many times as many dogs attended Saturday's class as attended Wednesday's class?

\_\_\_\_\_

Use an equation to solve.

24. The Ruiz family bought 2 adult tickets and 4 child tickets to the state fair. The adult tickets cost \$8 each. The child tickets cost \$3 each. How much did the tickets cost in all?

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25. **Extended Response** A store has 4 bins of planet posters with 23 posters in each bin. It has 3 bins of planet calendars with 26 calendars in each bin. Yesterday, 72 calendars were sold. How many planet posters and calendars are left in all? Explain how you found your answer, and how you know if your answer is reasonable.

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