



14.  $699 \div 29 =$  \_\_\_\_\_
15. A truck holding 530 pallets leaves 165 at its first drop-off. How many pallets are left on the truck?  
\_\_\_\_\_
16. It takes a crew 57 hours to install cabinets in one office. How long will it take the crew to install cabinets in 17 offices? \_\_\_\_\_
17.  $\frac{3}{4} + \frac{3}{8} =$  \_\_\_\_\_
18.  $9\frac{3}{8} - 5\frac{11}{16} =$  \_\_\_\_\_
19. It takes  $1\frac{1}{4}$  hours to erect 12 sections of scaffolding. How many sections can be erected within 10 hours?
20.  $11.59 + 4.03$  \_\_\_\_\_
21.  $45.338 - 18.45$  \_\_\_\_\_
22.  $67 \times 8.3$  \_\_\_\_\_
23. Convert the following decimals to fractions.  
28.987' in sixteenths \_\_\_\_\_
24. 2.971" in thirty-seconds \_\_\_\_\_
25. A drywaller wants to order core board for a 15-story elevator shaft. Each floor uses 18.5 sheets. Calculate the number of boards needed. Add 10% of the total for waste. Round up to the nearest whole sheet.
26. On a print with a scale of  $\frac{1}{2}'' = 1'$ , a 20' hallway would be \_\_\_\_\_ inches long.
27. On a print with a scale of  $\frac{1}{4}'' = 1'$ , the scale drawing of the living room is 5" by 6". The dimensions of the actual room will be \_\_\_\_\_ ft. by \_\_\_\_\_ ft.

### Completion

Complete each statement.

28. The diameter of a circle is twice as long as the \_\_\_\_\_ of the circle.

29. The formula for finding the area of a triangle is \_\_\_\_\_.
30. What is the volume **of the metal** in a hollow metal pipe 15" long with an outside diameter of 5" and an inside diameter of  $4\frac{1}{2}$ "? \_\_\_\_\_

**Math for the Trades Study Guide (GS0012G)**  
**Answer Section**

**NUMERIC RESPONSE**

2. ANS: B                   PTS: 1  
3. ANS: C                   PTS: 1  
4. ANS: B                   PTS: 1  
5. ANS: C                   PTS: 1  
6. ANS: A                   PTS: 1  
1. ANS: T                   PTS: 1  
7. ANS: 164

PTS: 1

8. ANS: 162

PTS: 1

9. ANS: 15

PTS: 1

10. ANS: 212

PTS: 1

11. ANS: 1,827

PTS: 1

12. ANS: 63,511

PTS: 1

13. ANS: 36.4

PTS: 1

14. ANS: 24 Remainder 3

PTS: 1

15. ANS:  $530 - 165 = 365$

PTS: 1

16. ANS:  $57 \times 17 = 969$

PTS: 1

17. ANS:  $1 \frac{1}{8}$

PTS: 1

18. ANS:  $3 \frac{11}{16}$

PTS: 1

19. ANS:  $(10 \div 1 \frac{1}{4}) \times 12 = 96$  sections of scaffolding

PTS: 1

20. ANS: 15.62

PTS: 1

21. ANS: 26.888

PTS: 1

22. ANS: 556.1

PTS: 1

23. ANS:  $28' - 11 \frac{14}{16}''$  or  $28' - 11 \frac{7}{8}''$

PTS: 1

24. ANS:  $2 \frac{31}{32}''$

PTS: 1

26. ANS: 10

PTS: 1

27. ANS: 20, 24

PTS: 1

25. ANS: 305.25 boards needed

PTS: 1

## COMPLETION

28. ANS: radius

PTS: 1

29. ANS:  $A = \frac{1}{2} bh$

PTS: 1

30. ANS: 55.93 cu in

PTS: 1