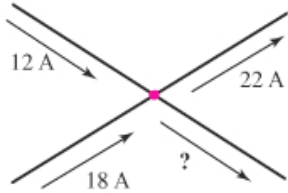


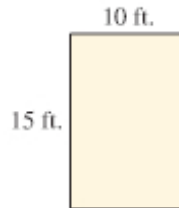
Math 38 Chapter 1 Handout

1. Estimate $42,437 + 4,890$ by rounding, then find the actual sum.
2. Estimate $52,133 - 6,290$ by rounding, then find the actual difference.
3. Solve $4 + x = 12$
4. Solve $12 + m = 15$
5. Find the unknown current in the circuit below

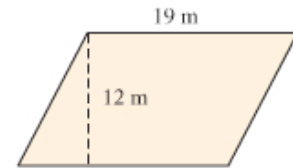


6. The sun is 92,958,349 miles from the earth. The Moon is 615,042 miles from Earth. During a solar eclipse, the Moon is directly between the Sun and the Earth. How far is the Moon from the Sun during a solar eclipse?
7. Multiply $9 \times 4 \times 2$
8. Multiply 23×5
9. 5^3
10. 10^6
11. Write $4 \cdot 4 \cdot 4 \cdot 4$ in exponential form
12. A nurse sets the drip rate for an IV at 26 drops each minute. How many drops does the patient receive in 1 hour?
13. Michael works 5 days a week and buys lunch each workday. On average, he spends \$7 each day. How much does he spend on lunch in a week? If he takes 10 vacation days each year, how much does he spend on lunch in a year?
14. $0 \div 14$
15. $14 \div 0$
16. Is 24,980 divisible by 2? Why?
17. Is 26,093 divisible by 3? Why?
18. Is 148,070 divisible by 5? Why?
19. $2166 \div 6$
20. $1038 \div 5$
21. $10,836 \div 28$
22. $\sqrt{81}$
23. $\sqrt{64}$
24. Solve $r \cdot 11 = 44$

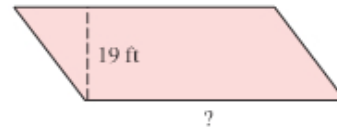
25. Solve $16 \cdot 5 \cdot k = 560$
26. A long distance company charges 19 cents per minute. How long can you talk for 5 dollars.
27. $35 - 3 \cdot 7$
28. $20 \div 2 \cdot 5 + 6$
29. $16 - 48 \div 4^2 + 5$
30. $3\sqrt{36} - \frac{15}{3}$
31. $7\sqrt{64} - 40 \div 5 \cdot 2 + 9$
32. Find the perimeter of the following.



33. Find the area



34. A parallelogram has an area of 399 square feet. If the height is 19 feet, find the base.



35. Angela plans to put a wallpaper border just below the ceiling in her bedroom. The room is 12 feet wide by 14 feet long. If the border costs \$2 per foot. What will be the total cost?

Solutions

1. 47,000 and 47,327
2. 46,000 and 45843
3. $x = 8$
4. $m = 3$
5. 8A
6. 92,343,307
7. 72
8. 115
9. 125
10. 1,000,000
11. 4^4
12. 1560
13. 35,1750
14. 0
15. undefined
16. yes, because it is even
17. no, because the sum of the digits is 20, which is not divisible by 3
18. yes because it ends with 0 or 5
19. 361
20. 207 R 3
21. 387
22. 9
23. 8
24. 4
25. $k = 7$
26. 26 minutes
27. 14
28. 56
29. 18
30. 13
31. 49
32. 50 ft
33. 228
34. 21
35. 104