Let's Practice! Basic Skills Level 2 Practice Test

Special Note: You need to be proficient in ALL of the sections to be able to pass this level! And, in order to pass each section, you *must* pass *two* out of every three of the questions. A good strategy is to do the TWO that you are absolutely positive that you CAN do, skip to the next section, then come BACK and do the ones you skipped at the end.

Exponents

1. How is $8 \cdot 8 \cdot 8 \cdot 8 \cdot 8$ written using powers?

2. Evaluate the power 5^3

3. Re-write the power 2^6 as repeated multiplication. Then, evaluate.

Percents

4. Write 64% as a decimal.   5. Write 0.32 as a percent.

6. Write 40% as a fraction in simplest form.

Integers

7. $-4 + (-7)$ 8. $2 + (-13)$

9. $5 + (-16)$ 10. $-7 - 8$

11. $-18 - (-12)$ 12. $-15 - 9$

Equations

Solve the equation for the given variable.

13. $18 = k + 7$

14. $-22 = h + 9$

15. $d - 3 = 5$

16. $3.5 = 0.5j$

17. $\dfrac{m}{9} = 4.3$

18. $\dfrac{n}{3} = 27$

Evaluate the variable expression for the given value(s).

19. $x + y$ when $x = 10$ and $y = 8$

20. xy when $x = 4$ and $y = 7$

21. $6x + y$ when $x = 5$ and $y = 2$

Area

22. Find the area of a rectangle that is 8 yd. by 5 yd.

23. Find the area of a square with a side of 12.2 cm.

24. Find the area:

4.8 cm

$9\sqrt{6}$ cm

8 cm