

**Math Concepts HW 10 4.20.15 CHECK your ANSWERS!!**

Percent	Decimal	Fraction
	2.4	
130%		
		$\frac{17}{20}$

**Write each sentence as an equation and solve it.**

- 1) H increased by 12 is 6.      2) The product of 7 and z is 20.    3)

**Simplify:** 4)  $9(m - n)$     5)  $7(x + 9 + 3x)$     6)  $8y + 2j + j + 3y$

**Evaluate when  $a = 5$ ,  $b = 10$ ,  $c = 0.3$  and  $d = 0.02$ .**

- 7)  $d \div c$     8)  $a \div d$     9)  $a^3 + d^2$     10)  $cb^2$     11)  $a + b(c + d)$     12)  $b - d + c$

**Evaluate and show your work.**

- 13)  $5705 \div 7$     14)  $22,957 \div 11$     15) 6% of 55    16) 250 decreased by 30%

17) Each carton holds 12 eggs. Write an expression to show many cartons are needed for  $n$  eggs.

18) Taylor Swift tickets cost \$95. Write an expression to show much  $m$  tickets cost.

19) A can of wood stain covers  $1000 \text{ in}^2$ . How many cans are needed to stain the outside walls and bottom of this sandbox?

20) How many  $1000 \text{ in}^3$  bags of sand are needed to fill this sandbox?

