

# HW: Order of operations practice

$$1) \frac{3}{5} + \frac{4}{5}$$

$$\boxed{\frac{7}{5}}$$

$$2) \frac{5}{7} - \frac{2}{5}$$

$$\frac{25}{35} - \frac{14}{35}$$

$$\boxed{\frac{11}{35}}$$

$$3) \frac{2}{9} \left( \frac{3}{7} \right)$$

$$\boxed{\frac{2}{21}}$$

$$4) \frac{3}{8} \cdot \frac{2}{7}$$

$$\boxed{\frac{3}{28}}$$

$$5) 4 + 2(3 + 4^2) - 1$$

$$4 + 2(3 + 16) - 1$$

$$4 + 2(19) - 1$$

$$4 + 38 - 1$$

$$42 - 1$$

$$\boxed{41}$$

$$6) 2(5) + 3(2^3) \div 4 + 5$$

$$10 + 3(8) \div 4 + 5$$

$$10 + 24 \div 4 + 5$$

$$10 + 6 + 5$$

$$\boxed{21}$$

$$7) 3 - 2(1 + 2)^2 + 7$$

$$3 - 2(3)^2 + 7$$

$$3 - 2(9) + 7$$

$$3 - 18 + 7$$

$$-15 + 7$$

$$\boxed{-8}$$

$$8) 30 \div 5 + 6^2 - 8$$

$$30 \div 5 + 36 - 8$$

$$6 + 36 - 8$$

$$42 - 8$$

$$\boxed{34}$$

$$9) 2 + 3^3 - 4(2)^3 + 9$$

$$2 + 27 - 4(8) + 9$$

$$2 + 27 - 32 + 9$$

$$29 - 32 + 9$$

$$-3 + 9$$

$$\boxed{6}$$

$$10) \frac{4(8-2)}{3+9}$$

$$\frac{4(6)}{12}$$

$$\frac{24}{12}$$

$$\frac{24}{12}$$

$$\frac{24}{12}$$

$$\boxed{2}$$

$$11) 40 \div 8(6)$$
$$40 \div 48$$

$$12) 4 + 3(15 - 2^3)$$
$$4 + 3(15 - 8)$$
$$4 + 3(7)$$
$$4 + 21$$
$$\boxed{25}$$

$$13) 56 \div 2 + 15 \cdot 4$$
$$25 + 15 \cdot 4$$
$$25 + 60$$
$$\boxed{85}$$

$$14) 4 - 8 \div 2 + 6 \cdot 3$$
$$4 - 4 + 6 \cdot 3$$
$$4 - 4 + 18$$
$$\boxed{18}$$

$$15) 8$$

Natural, Whole, Integer,  
Rational, Real

$$16) -11$$

Integer, Rational,  
Real

$$17) \frac{0}{10} = 0$$

Whole, Integer, Rational  
Real

$$18) 16.2$$

Rational, Real

$$19) -3$$

Integer, Rational, Real

$$20) \frac{1}{6}$$

Rational, Real

$$21) -\sqrt{3}$$

Irrational, Real