

Day 1 INCLASS -- NO CALCULATOR

Reviewing decimal places: For each number given, write the digit that is in the: a. tens place, b. ones place, c. tenths place, d. hundredths place, e. thousandths place.

1) 2450.9092

- a. 5
- b. 0
- c. 9
- d. 0
- e. 9

3) 9,999.9984

- a. 9
- b. 0
- c. 9
- d. 9
- e. 8

2) 9.5000

- a. 0
- b. 9
- c. 5
- d. 0
- e. 0

4) 264.51

- a. 6
- b. 4
- c. 5
- d. 1
- e. 0

Reviewing rounding: For each number given, round it to the: a. tens place, b. ones place, c. tenths place, d. hundredths place, e. thousandths place.

5) 2450.9092

- a. 5
- b. 1
- c. 9
- d. 1
- e. 9

6) 9.5000

- a. 10
- b. 10
- c. 9.5
- d. 9.50
- e. 9.500

7) 9,999.9984

- a. 10,000
- b. 10,000
- c. 10,000.0
- d. 10,000.00
- e. 9,999.998

8) 264.51

- a. 260
- b. 265
- c. 264.5
- d. 264.51
- e. 264.510

Find each sum then reduce the fraction.

9)  $\frac{1}{3} + \frac{4}{3} = \frac{5}{3} = 1\frac{2}{3}$   
 Imp. Fraction      Mixed number

10)  $\frac{2}{5} + \frac{3}{2} = \frac{4}{10} + \frac{15}{10} = \frac{19}{10}$   
 $5 \cdot 2 = 10$

11)  $\frac{2}{3} - \frac{10}{21} = \frac{14}{21} - \frac{10}{21} = \frac{4}{21}$   
 $3 \cdot 7 = 21$

12)  $\frac{4}{5} - \frac{3}{8} = \frac{32}{40} - \frac{15}{40} = \frac{17}{40}$   
 $5 \cdot 8 = 40$

Find each product then reduce the fraction.

$$13) \frac{(-2)}{1} \left( \frac{1}{8} \right) = \frac{-2 \div 2}{8 \div 2} = \frac{-1}{4}$$

$$14) \frac{2}{3} \cdot \frac{1}{2} = \frac{2}{6} = \frac{1}{3}$$

$$15) \frac{(-5)}{1} \left( -\frac{6}{7} \right) = \frac{30}{7}$$

$$16) \frac{11}{10} \cdot \frac{5}{8} = \frac{55 \div 5}{80 \div 5} = \frac{11}{16}$$

--- = +

Find each quotient then reduce the fraction.

$$17) \frac{2}{1} \div \frac{9}{5} = \frac{2}{1} \cdot \frac{5}{9} = \frac{10}{9}$$

$$18) \frac{\frac{2}{3}}{\frac{3}{7}} \Rightarrow \frac{2}{3} \div \frac{3}{7} = \frac{2}{3} \cdot \frac{7}{3} = \frac{14}{9}$$

$$19) \frac{-13}{10} \div \frac{5}{3} = \frac{-13}{10} \cdot \frac{3}{5} = \frac{-39}{50}$$

$$20) \frac{-1}{1} \div \frac{5}{4} = \frac{-1}{1} \cdot \frac{4}{5} = \frac{-4}{5}$$

**Definitions:**

**Exact:** No rounding was done to get answer.

**Approximate:** Answer was rounded.

Give each value in approximate and exact form (if rounding, round to the hundredths place).

21)  $\pi$   
Approximate: 3.14

Exact:  $\pi$

22)  $\sqrt{4}$   
Approximate: +2 or -2

Exact: +2 or -2

23) 1.789  
Approximate: 1.79

Exact: 1.789

24) 1002.23  
Approximate: 1002.23

Exact: 1002.23

25)  $\frac{1}{3}$   
Approximate: 0.33

Exact:  $\frac{1}{3}$  or  $0.\overline{3}$

26)  $10\pi$   
Approximate:  $10 \cdot 3.141592... \approx 31.42$

Exact:  $10\pi$