

## Review

changing % to a decimal

$$28\% = 0.28$$

$$246.809\% =$$

$$2.46809$$

Decimal to percent

3.265 %

326.5%

# Fraction to Percent

$$\frac{3}{4} = 75\%$$

3	75
4	100

$$\frac{3}{4} = \frac{75}{100} = 75\%$$

$$\frac{4}{5} = \frac{80}{100} = 80\%$$

$$4 \cdot 100 \div 5 = \underline{80}$$

# Percent to fraction

EASY

32%

=

$\frac{32}{100}$

=

$\frac{8}{25}$

20%

=

$\frac{20}{100}$

=

$\frac{2}{10}$

=  $\frac{1}{5}$

$$\textcircled{20} + 20 + 20 + 20 + 20 = 100$$

$$8.5\% = \frac{8.5}{100.0}$$

Ex

$$\frac{1}{2} = \frac{10}{20}$$

$$\frac{10}{20}$$

$$\frac{85}{1000}$$

$$\frac{10}{20}$$

$$\frac{1}{2} \times \frac{10}{10} = \frac{10}{20}$$

$$2.5\% = \frac{2.5}{100}$$

$$\frac{25}{1000} = \frac{5}{200} = \left(\frac{1}{40}\right)$$

$$2\frac{3}{4}\% = \frac{2\frac{3}{4}}{100}$$

$$2\frac{3}{4} \div 100$$

$$\frac{11}{4} \div \frac{100}{1}$$

$$\frac{11}{4} \times \frac{1}{100} = \frac{11}{400}$$

- same
- change
- flip

$$3\frac{1}{3} = \frac{10}{3}$$

$$\frac{33}{100}$$

① change to over 100

$$\frac{3\frac{1}{3}}{100}$$

$$= 3\frac{1}{3} \div 100$$

②

write as a division problem

$$3\frac{1}{3} \div 100$$

$$= 3\frac{1}{3} \div \frac{100}{1}$$

③ Put 100 over a 1

$$3\frac{1}{3} \div \frac{100}{1}$$

$$3 \times 3 + 1 = 10$$

$$\frac{10}{3} \div \frac{100}{1}$$

④

change to an improper fraction

$$\frac{10}{3} \div \frac{100}{1}$$

$$\frac{10}{3} \times \frac{1}{100}$$

⑤

same  
change  
flip

$$\frac{10}{300} = \frac{1}{30}$$

$\div 10$

⑥

solve  
&  
simplify

Easy

$$8 \frac{1}{4}$$

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$$100$$

$$8 \frac{1}{4} \div 100$$

$$\frac{33}{4} \div 100$$

$$\frac{33}{4} \times \frac{1}{100} = \frac{33}{400}$$



Hard

$$10 \frac{2}{3} = \frac{10 \frac{2}{3}}{100}$$

$$10 \frac{2}{3} \div 100$$

$$\frac{32}{3} \times \frac{1}{100} =$$

$$\frac{32}{300} \div 2$$

$$\frac{16}{150} = \frac{8}{75}$$

What will be on  
the test?

- absolute value  
symbol

$$|-12| = 12$$

- PEMDAS

- Integers (+ -)

# Integers

$$3 + -2 = +1$$

+

+

+

==

kcc

$$-4 - (-3)$$
$$-4 + (+3) = -1$$

+

+

+

+

+

mult / dividing

same sign = positive

$$+2 \cdot +2 = +4$$

$$-3 \cdot -2 = +6$$

$$+6 \div +3 = +2$$

$$-10 \div -2 = +5$$

Signs are different  
answer is negative

$$-3 \cdot +2 = -6$$

$$+12 \div -2 = -6$$

# Proportions

$$\frac{2}{5} = \frac{x}{10}$$

$$2 \cdot 10 \div 5 = x$$

$$x = 4$$

Percent to decimal  
Decimal to percent  
Fraction to percent  
Percent to fraction

# homework

p.581 Lesson 7-6  
#1-24

p.314-~~315~~ #4-11

Study for Test