

Warm Up Grade 8 Oct. 23



1. A jacket that regularly sells for \$84.50 is discounted by 30%. What is the sale price?

Sheet 247 Estimate 1. Disc 30% 29.99 2 30% of 30 0.3 x 29.99 = 9 Sale Price 30-9=821 Sale Pr = 29,99 -9 = 20.99 2. a) 40% of 9.98 2 40% of 10 4 6.4×9.98 3 99 ~ 100% at 5-5 b) 96% of 5 96% 255 - 4.80 0.96 x 5 4.80 c) 1% of 17.60 U.01x 17.60 0.176 or 0.18 ~ 10% 2520 10% of 19.95 O.1 x 19,95 = 1.995 = 2 $\approx 5\%$ of 3.00 e) 5% of 3.25 10% 23 = 0.30 0.05×3.25 5% 83-015 0,1625 = 0.16 20% of 90 F1 20% of 87. 49 0,2 x 87, 49 17, 50 g1 29% of 1560 2 30% & 1500 0.29 × 1500 10% of 1500-156 30% of 1500 = 450 435 41 33,3% of 15 $\approx \frac{1}{3} ds = 5$ 0,333 × 15 4.995 -5

3. 50% of 7.99 2 50% of 8 < 4 6 T-shirts -> 6x 4 = 924

5. a) Saved 7.98 - 5.9892
b) She caved ≈ 2 out of 8 dollars $\frac{2}{8} = \frac{1}{4} = 0.25$ 25%

To find Discount as a %

% difference =
$$\frac{\text{Difference}}{\text{Original Price}}$$
 X 100

Step 1)

Diffence = Regular price - Sales Price

Step 2) Write discount as a fraction of whole price

<u>Difference</u>

Original Price

Step 3) Now use the fraction to write a decimal and a percent

Ex1) The regular price of a coffee maker was \$28 and the sales price is \$19.60. What is the discount as a %?

Coffee maker was on sale for 30% off.

Regular price \$0.25

Sales Price \$0.17 Find the % discounted?

Diff =
$$\frac{73.9}{0.25} - \frac{50.17}{0.17}$$

= $\frac{90.25}{0.08} - \frac{50.17}{0.25} \times 100$
= $\frac{0.08}{0.25} \times 100$
= $\frac{0.08}{0.25} \times 100$
= $\frac{32}{0.25} \times 100$
= $\frac{32}{0.25} \times 100$
Reg Sale $\frac{30.4}{0.25} \times \frac{31.1}{25} \times \frac{32.1}{100} \times \frac{32.1}{32.1}$

Test Tw days time Test Outline

- 5 Multiple Choice
- 5 Short Response
- 1) Chart Change Percents/Decimals/Fractions
- 2) Mentally explain
- 3) Discount & Sales price
- 4) 15% Hst and Total Price
- 5) Mentally calculte the following(show what method you used for calculations. Must use 1%, 10%, 25%, 50% strategies taught in

Homework Sheet 247 # 4-6

Save for tomorrow

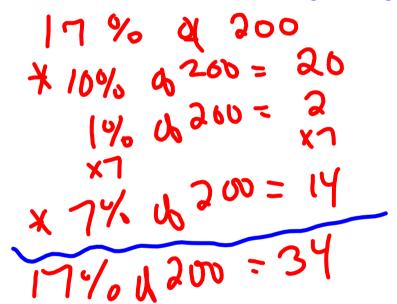
WS 115 #1(use strategies 1%, 10%, 25%, 50%,..)

#2

#3

#4

#5



```
Top + Bott
       Fract
% Mentally
                                          Ex) 10% of 85= 8.5
   10% of # is like + by 10
        To / of 140 =>

Start with 10%
                 x76 vf 140 = 14,
70% of 140 = 98
USe 10% to get 5% of a number
        Ex) 5% of 126
                            10% of 126 = 12.6

1 Togel 5%

+2
                            5\% \text{ of } 126 = 6.3
25% of a number is like divide # by 4

Ex) 25% of 120 = 30

(like 120÷4)
     -> (75% of a number), first find 25% of #

by 3 to get 75% of #
             Ex) 75% of 240
                      1 Start with
                      \frac{25\% \text{ of } 240 = 60}{x_3}
```

put over 100

```
Mentally % of # continued
     50% of a number is like + # by2
              Ex) 50 % of 140 = 70
(1:kx 140 ÷ 2)
  (1% of a number) is like : # by 100 w
Ex) 1% of 180 = 1.80
            Use this toget multiples 2%, 3%, 4%...
by multiplying answer by factor
                   E_{x}) 7% of 2800 = 1\% of 2800 = 28-28 Start with (3x-2) = 2800 = 28-28
                                          7% of 2800 = 196
                                 find 10% of number
     15% of number)
                                       2% of number
                                    Then add answers
                    15% of 200
             Ex)
                      1 start with 10% of 200 = 20
                                         5% of 200 = 10
                                      15% of 200 = (20-10) = [30]
```

Tax#= 15 % X Price
= 0.15 x Price

Cost with Tax = Price + Tax \$

Discount \$ = % x Price

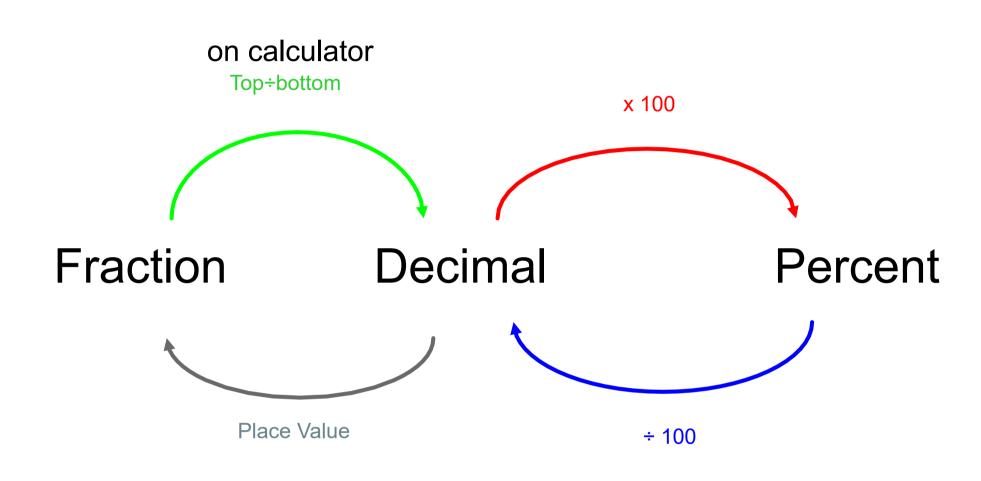
Juse decimal

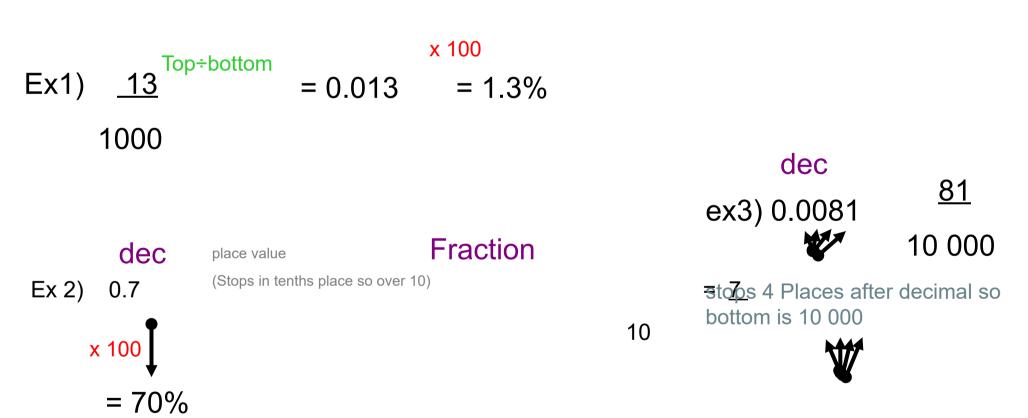
x Price

Sales Price - Price - Discount \$

% Diff = Diff × 100

Remember Difference = Big - Small





Percent

WS 115

- 1. Calculate.
 - a) 10% of 30
- **b)** 20% of 50
- c) 18% of 36
- d) 67% of 112

- 2. The regular price of a radio is \$60.00.
 Find the sale price before taxes when the radio is on sale for:
 - a) 25% off
- **b)** 30% off
- c) 40% off



3.	Find	the	sale	price	before	taxes	of	each	item.	

a) coat: 55% off \$90

b) shoes: 45% off \$40
c) sweater: 30% off \$50

Find the tip left by each customer at a restaurant.

a) Denis: 15% of \$24.20

b) Molly: 20% of \$56.50 c) Tudor: 10% of \$32.70

5)ii) Find the cost of the item including TAX a) bicycle: \$129.00 b) DVD: \$24.99

b) DVD: \$24.99

c) skateboard: \$42.97