Worksheet 152

1. Calculate. (use strategies 1%, 10%, 25%, 50%,..)

a) 40% 550   **b)** 50% 486 =   **c)** 75% 400   **d)** (15% 360

10% of 550 = 55
×4   ×4

40% of 550 = 220

|243|

25% 840 = 100
×3   ×3

75% of 400 = 300

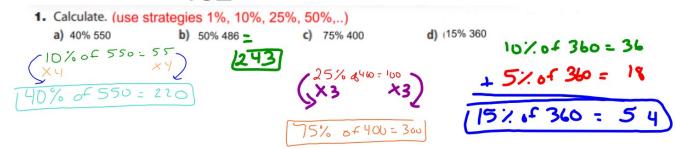10% of 360 = 36
+ 5% of 360 = 18

15% of 360 = 54

2. The regular price of a garbage can is $114
Find the sale price before taxes when the radio is on sale for:
a) 25% off   **b)** 30% off   **c)** 40% off

A)
Discount = % x Price

= 25% x $114

= 0.25 x $114

= $28.50

Sale Price = Price - Discount $

= $114 - $28.50

= $85.50

B)
Discount = % x Price

= 30% x $114

= 0.30 x $114

= $34.2

Sale Price = Price - Discount $

= $114 - $34.2

= $79.80

c)
Discount = % x Price

= 40% x $114

= 0.40 x $114

= $45.60

Sale Price = Price - Discount $

= $114 - $45.6

= $68.40

3. Find the sale price before taxes of each item.
a) Phone: 20% off $1520   **b)** Steak: 75% off $36

A) Discount = % x Price

= 20% x $1520

= 0.20 x $1520

= $304

Sale Price = Price - Discount $

= $1520 - $304

= $1216

Discount = % x Price

= 75% x $36

= 0.75 x $36

= $27

Sale Price = Price - Discount $

= $36 - $27

= $9

4) Find the cost with tax

a) Stapler: $43.34   b) Picture: $91.30   c) car: $51 478

A) Tax $ = 15% x Price

    = 0.15 x $43.34

    = $6.50

Cost With tax = Price - Tax$

    = $43.34 - $6.50

    = $49.84

B) Tax $ = 15% x Price

    = 0.15 x $91.30

    = $13.70

Cost With tax = Price - Tax$

    = $91.30 - $13.70

    = $105

C) Tax $ = 15% x Price

    = 0.15 x $51 478

    = $7 721. 70

Cost With tax = Price - Tax$

    = $51478 - $7721.70

    = $59 199.70

5) Find the Discount amount (Amount saved for the following:

a) Regular Price = $56.00
35% off

Discount = % x Price

    = 35% x $56

    = 0.35 x $56

    = $19.60

b) Regular Price = $84.20
12.5% off

Discount = % x Price

    = 12.5% x $84.20

    = 0.125 x $84.20

    = $ 10.53

6) Fill in the missing values of following chart: remember to reduce fractions to lowest terms

Fraction	Decimal	Percent
$\dfrac{14}{27}$	$0.5\overline{18}$	51.8%
$\dfrac{15}{10000} = \dfrac{3}{2000}$	0.0015	0.15%
$\dfrac{47}{100}$	0.47	47%
$\dfrac{9}{10}$	0.9	90%
$\dfrac{213}{1000}$	0.213	21.3%

7) Mentally calculate using 1%, 5%, 10%, 25%, 50%, 100% strategies.

a) 10 % 723

72.3

b) 5% of 140

10% of 140 = 14
÷2   ÷2
5% of 140 = 7

c) 75% of 40

25% of 40 = 10
×3   ×3
75% of 40 = 30

d) 15% of 280

10% of 280 = 28
÷2   ÷2
+ 5% of 280 = 14

15% of 280 = $\dfrac{18+14}{32}$

e) 30 % of 74

10% of 74 = 7.4
×3   ×3
30% of 74 = 22.2