

Percent, Decimal and Fraction Worksheet

1. Convert the following to decimal.

a) $\frac{5}{7}$

≈ 0.71

b) $\frac{3}{5}$

$= 0.6$

c) $-\frac{3}{13}$

≈ -0.23

2. Determine the following.

a) 20% of 250

$= 0.2 \times 250$

$= 50$

b) 8% of 40

$= 0.08 \times 40$

$= 3.2$

c) 35% of 200

$= 0.35 \times 200$

$= 70$

3. Express each of the following as a percentage.

a) $\frac{3}{8}$

$= 0.375$

$\rightarrow = 37.5\%$

b) $\frac{17}{20}$

$= 0.85$

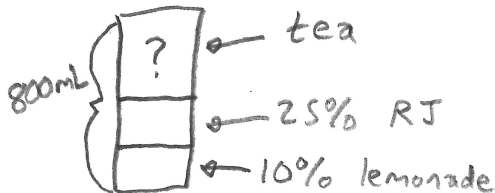
$\rightarrow = 85\%$

c) $\frac{5}{12}$

≈ 0.42

$\rightarrow \approx 42\%$

4. An 800 mL of a summer beverage is made by mixing lemonade with raspberry juice and tea. If 10% of the drink is lemonade and 25% is raspberry juice, how much is tea? Express your answer in mL.



RJ = 25% of 800mL
 $= 0.25 \times 800$
 $= 200\text{mL}$

Lemon = 10% of 800mL
 $= 0.10 \times 800$
 $= 80\text{mL}$

tea = $800 - 200 - 80 = 520\text{mL}$

5. Bill received a grade of 14/20 on his recent test. If Janelle received a grade that was 15% higher than Bill, how many questions did she answer correctly?

Bill = $\frac{14}{20}$

$= 0.7$

$= 70\%$

Janelle = 70% + 15%
 $= 85\%$

Janelle = 85% of 20 questions correct
 $= 0.85 \times 20$

$= 17$

6. Luigi earns \$55,000/year gross as a construction worker building houses. If he should expect to be taxed by the government at 34%, how much should Luigi expect to have left in net earnings?

tax = 34% of 55000

$= 0.34 \times 55000$

$= 18700$

Net = 55000 - tax

$= 55000 - 18700$

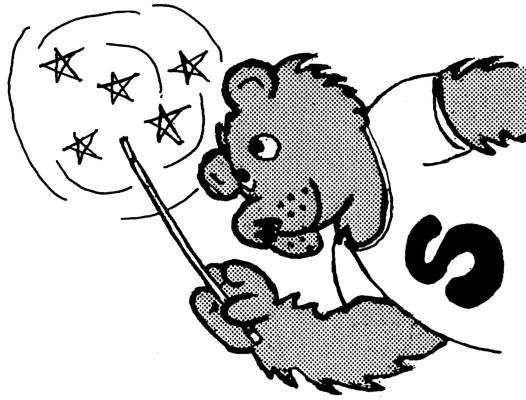
$= 36300$

Hidden Message

Do each exercise and find your answers in the rectangle below. Look for the correct answers from left to right across the rectangle.

Shade in the boxes that contain correct answers. When you finish, there will be 31 boxes not shaded in.

STARTING ON THE TOP LINE AND WORKING FROM LEFT TO RIGHT, PRINT THE 31 REMAINING LETTERS IN THE BOXES AT THE BOTTOM OF THE PAGE. A HIDDEN MESSAGE WILL APPEAR!



- ① 21% of 69 =
- ② 47% of 17 =
- ③ 75% of 85 =
- ④ 8% of 248.1 =
- ⑤ 10% of 16.6 =
- ⑥ 3.8% of 54 =
- ⑦ 7.9% of 4 =
- ⑧ 6.5% of 10.7 =
- ⑨ 12.5% of 1.75 =
- ⑩ 66.7% of 8.1 =
- ⑪ 5.4% of 625 =
- ⑫ 95% of 0.8 =
- ⑬ 0.6% of 1234 =
- ⑭ 0.25% of 6.16 =
- ⑮ 0.1% of 129,995 =

B	L	O	T	S	O	F	T	E	N	M	Y	E	S	T	O	K	R	M	O	O	N	E	E	8
0.	3	1	6	9	0.	0	1	5	4	3.	6	3.	7	5	4	6.	1	2	9.	9	9	5	8	
Y	T	H	E	N	S	H	E	E	A	C	H	O	T	B	E	L	L	S	T	A	R	H	A	7
0.	9	1	4.	4	9	3	5	0.	2	1	8	7	5	8.	8	2.	0	5	2	6.	0	8	7	
S	E	L	L	A	U	A	F	I	N	E	S	U	R	E	A	T	R	A	P	P	L	A	Y	8
9	1	9.	8	4	8	6	1	3	3.	7	5	1.	9	7.	9	5	5.	4	0	2	7	8		
G	O	E	S	A	D	M	O	V	I	N	G	E	T	S	A	S	H	E	T	I	O	N	R	4
2.	4	1.	6	6	4	3	9	0.	6	9	5	5	7	0.	7	6	3.	3	7.	4	0	4	4	

SIMOKLEY THE BEAR HAS A FURRY GLODMOTHER.