

1) Write the following numbers in words:

a) 57.324

Fifty seven point three two four

b) 16.22

Sixteen point two two

c) 314.08

Three hundred fourteen point zero eight

d) 200.004

Two hundred point zero zero four

2) Write the following numbers in figures:

Use the **place value chart**
to help you find the position of each digit
and make it easier to solve.

a) Two and fifty five hundredths.

2.55

b) Seven hundred thirty one and seventy five hundredths.

731.75

c) Six hundred four and two thousandths.

604.002

d) Forty one and seven tenths.

41.7

e) Ninety point nine one two

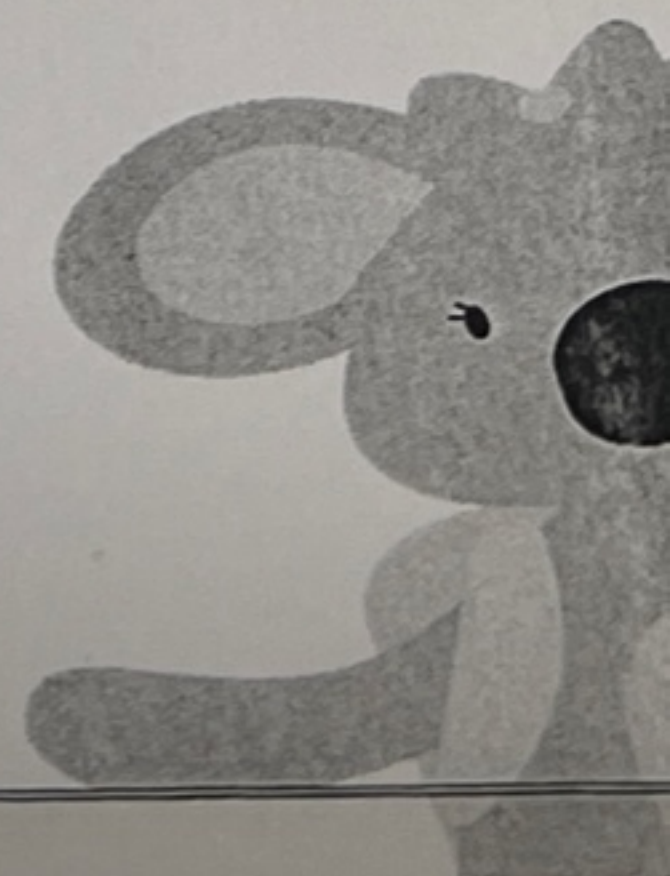
90.912

3) Write the **value** of the underline digit:

a) 2.4 <u>7</u> 8 0.07	b) <u>6</u> 6.001 60,000
c) 17. <u>2</u> 0.02 / 0.2	d) <u>1</u> 473.907 10,000
e) 51.99 <u>4</u> 0.004	f) 84. <u>0</u> 8 0.0

4) Write the **place value** of the underline digit:

a) 34. <u>8</u> 75 tenths	b) 55.65 <u>4</u> thousandths
c) 10.9 <u>9</u> 2 hundredths	d) 1 <u>7</u> 42.907 hundreds
e) 88.2 <u>0</u> 7 hundredths	f) 74.64 <u>1</u> thousandths
g) <u>2</u> 1436.25 thousands	h) 22. <u>1</u> 4 tenths



Expanded Form:

Writing the number as the sum of the **value** of each digit.

Example: Partition the number 25 . 396 ?

$$25 . 396 = 20 + 5 + 0.3 + 0.09 + 0.006$$

5) Partition the following numbers:

a) 276 . 9

$$\underline{200 + 70 + 6 + 0.9}$$

b) 63 . 214

$$\underline{60 + 3 + 0.200 + 0.010 + 0.004}$$

c) 71 . 601

$$\underline{70 + 1 + 0.6 + 0.00 + 0.001}$$

d) 311 . 04

$$\underline{300 + 10 + 1 + 0.00 + 0.04}$$

6) Answer the following:

- The digit in the hundredths place in 21.293 is 9

- The digit in the ones place in 74.013 is 4

- The digit in the tenths place in 58.17 is 1

- The digit in the thousandths place in 74.013 is 3

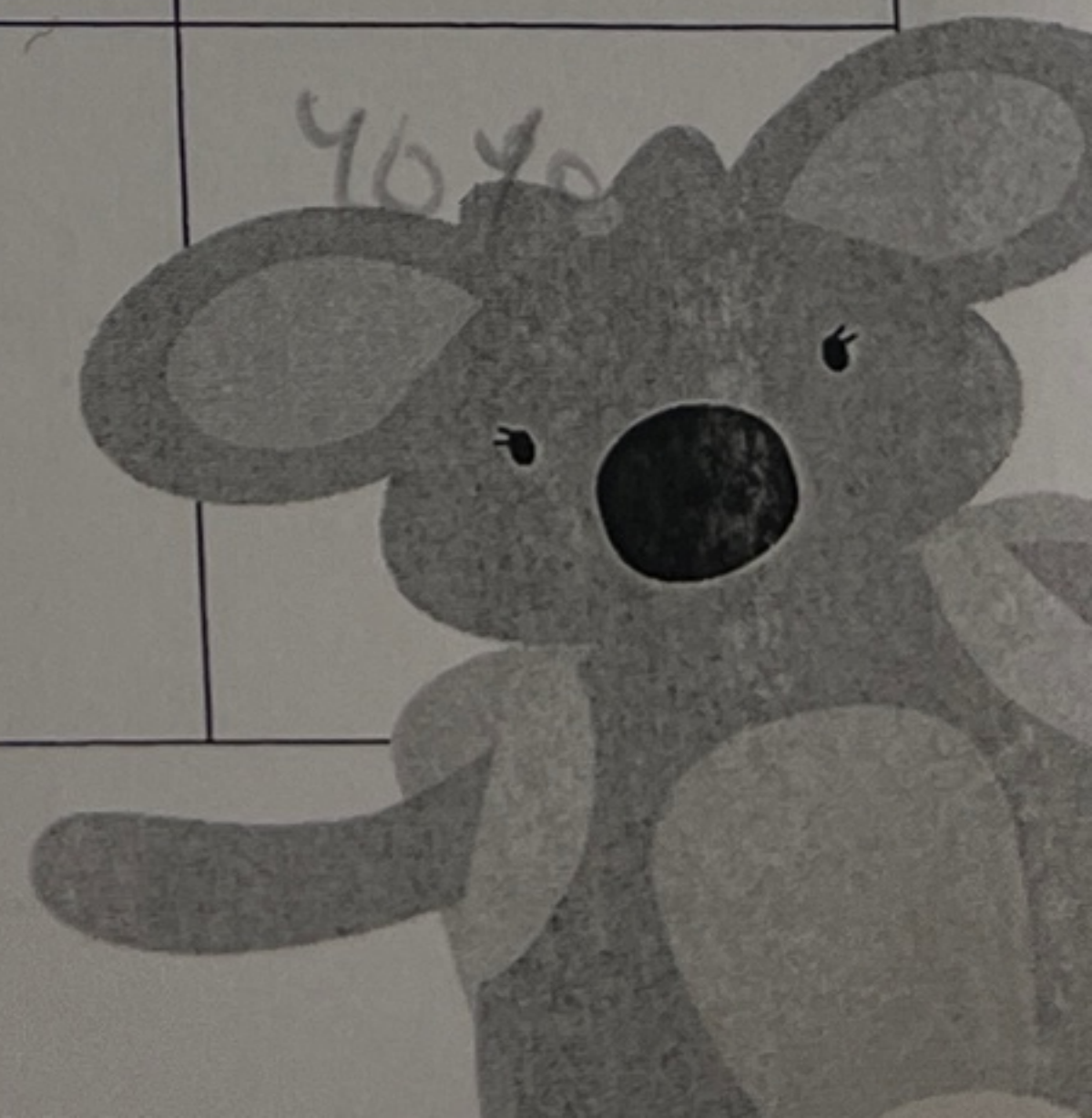
- $\boxed{70421.08} = 70\,000 + 400 + 20 + 1 + 0.08$

- $9\,837.124 = 9\,000 + \boxed{800} + 30 + 7 + \boxed{0.100} + 0.02 + \boxed{0.004}$

7) Complete the table:

Words	Standard (figures)	Partition
Six hundred five point one nine seven	605.197	$600 + 5 + 0.1 + 0.09 + 0.007$
Sixty four point eight one seven	64.817	$60 + 4 + 0.800 + 0.01 + 0.007$
one hundred forty three point eight zero five	143.805	$100 + 40 + 3 + 0.8 + 0.05$
Twenty-three and eight thousandths	23.008	$20 + 3 + 0.0 + 0.008$

Fraction in simplest form	Fraction	Decimal	Percentage
$\frac{13}{50}$	$2 \frac{26}{100}$ $2 \div 100$	0.26	26%
$\frac{11}{25}$	$4 \frac{44}{100}$ $4 \div 100$	0.44	44%
$\frac{4 \times 2}{4 \times 25}$	$\frac{8}{100}$ $4 \div 100$	0.08	8%
$\frac{19}{50}$	$2 \frac{38}{100}$ $2 \div 100$	0.38	38%
$\frac{3}{50}$	$2 \frac{6}{100}$ $2 \div 100$	0.06	6%
$\frac{2 \times 7}{2 \times 50}$	$\frac{14}{100}$	0.14	14%
$\frac{2}{5}$	$20 \frac{40}{100}$ $20 \div 100$	0.40	40%



9) Write ($>$, $<$ or $=$) to make the following statements true.

a) $72.31 > 33.98$

b) $9.57 < 9.61$

c) $23.8 = 23.80$

d) $44.701 < 44.711$

e) $31.01 < 31.1$

f) $34 > 32.14$

g) $82.35 < 823.5$

h) $24.006 < 24.06$

Remember:
make the
same
number of
digits after
the decimal
before you
compare.

10) Order the following numbers starting with the smallest.

~~8.6~~ / ~~9.1~~ / ~~8.314~~ / ~~8.63~~ / ~~8.316~~

→ 8.314 / 8.316 / 8.6 / 9.1 / 9.1

~~12.1~~ / ~~9.3~~ / ~~9.05~~ / ~~12.16~~ / ~~9.37~~

→ 9.05 / 9.37 / 12.1 / 12.16

$\frac{2887}{100} \times \frac{7}{25}$ / ~~0.7~~ / ~~2.43~~ / ~~32%~~

→ 0.7 / 32% / 0.7 / 2.43

12) Round:

I) Round the following to the nearest Hundred:

a) $547.345 \approx \underline{500}$

b) $289.58 \approx \underline{300}$

c) $99.95 \approx \underline{100}$

d) $661.021 \approx \underline{700}$

II) Round the following to the nearest **one decimal place**:

a) $847.962 \approx \underline{848.0}$

b) $963.584 \approx \underline{963.6}$

c) $99.95 \approx \underline{100.0}$

d) $251.429 \approx \underline{251.4}$

III) Round the following to the nearest **Whole number**:

a) $904.974 \approx \underline{905}$

b) $369.459 \approx \underline{369}$

c) $99.93 \approx \underline{100}$

d) $543.617 \approx \underline{544}$

