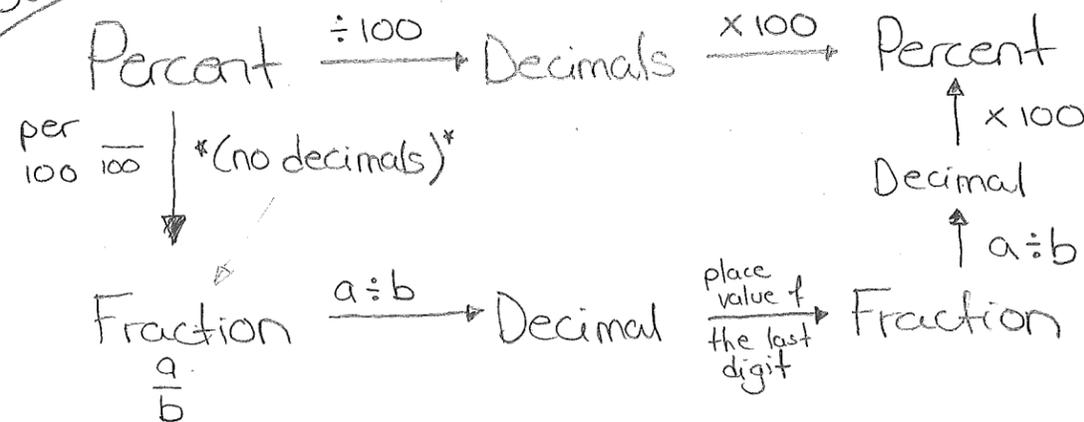


M8 5.2 Calculating Percents

Name _____
Blk _____

Review



percent = per 100 or $\frac{\text{per}}{100}$ or $\div 100$

fractions = $\frac{a}{b} = a \div b$

of means multiply
out of means divide

100%	=	1.00
10%	=	0.10
1%	=	0.01
0.1%	=	0.001

New

Ex 1: write 210% as a decimal

a) percent $\xrightarrow{\div 100}$ decimal percent means $\div 100$ per 100

$$210 \text{ per } 100 = \frac{210}{100} = 210 \div 100 = \boxed{2.1}$$

Ex 2: A coat costs \$80 and is sold for 230% of the cost price. What is the selling price?

HW: A B C
 5,6,7,10 11,12 15,16

230% of \$80
 $230\% \times 80$

- a) of means multiply
- b) 230% as a decimal
 $230 \text{ per } 100 = \frac{230}{100}$
 $230 \div 100 = 2.3$
- c) calculate (calculator ok)

2.3×80

$2 \times 80 = 160$
 $0.3 \times 80 = 24$

 184

Selling Price is \$184.00

Ex 3: 0.28% of the 58 782 First Nations people living on Reserves in Alberta are Mikisew Cree. How many people belong to the Mikisew Cree Band?

0.28% of 58 782
 $0.28\% \times 58\ 782$

- a) of means multiply
- b)* 0.28% means
 $0.28 \text{ per } 100$
 $0.28 \div 100 = 0.0028$
- c) calculate (calculator ok)

$0.0028 \times 58\ 782$

$$\begin{array}{r} 58\ 782 \\ \times 28 \\ \hline 470256 \\ 117564 \\ \hline 1645896 \end{array}$$

About 165 people living on Reserves in Alberta belong to the Mikisew Cree Band.