$\qquad$

Per cent $\rightarrow$ Decimal 5.D Relating Fractions, Decimals and Percents - Notes
(move the decimal
places do the left
Percent $\rightarrow$ Fraction
100

$$
\begin{aligned}
& \text { Fraction } \rightarrow \text { Decimal } \\
& \text { top divided bottom }
\end{aligned}\left\{^{\text {a }}=\frac{7 \%}{100}\right.
$$

$$
\text { b) } \begin{aligned}
& \frac{7.75 \%}{}= \\
&=\frac{7.75}{100 \times 100} \times 100
\end{aligned}
$$

c)

$$
=\frac{775 \div 5}{10000 \div 5} \text { reducing }
$$

$$
\begin{aligned}
7 \frac{1}{4} \% & =7.25 \% \\
& =\frac{7.25 \times 100}{100 \times 100} \\
& =\frac{725 \div 25}{10000} \div 25
\end{aligned}
$$

d) $0.7 \%=\frac{0.7 \times 10}{100 \times 10}=\frac{7}{1000}=0.007$

$$
\begin{aligned}
& =\frac{155: 5}{2000} 5 \\
& =\frac{31}{400} \\
& =0.0775 \\
& 1 \text { and as a perse }
\end{aligned}
$$

Example (2):
in $\rightarrow$ Decimal

$$
=0.0775
$$

$\underbrace{\text { (1 )fraction } \rightarrow \text { Decimal }}$

$$
\text { top } \div \text { bottom }
$$

$\frac{5}{8}$
b) $\frac{5}{6}$
c) $\begin{aligned} & \frac{5}{1000} \\ = & 0.005 \\ = & 0.5 \%\end{aligned}$

$$
=0.625
$$

$$
=0.8333 \ldots
$$

2 decimal percent
move decimal two

$$
=62.5 \%
$$

$$
=83 . \overline{3} \%
$$ places right.

Example (3): Buffy had $23 \frac{1}{2}$ out of 30 on her first math test. She had $31 \frac{1}{2}$ out of 40 on her second math test.
Buffy: $\frac{23.5}{30} 0.0 .78333=:=78.3 \%$

$$
2^{\text {nd }}: \frac{31.5}{40}=0.787=78.70 \%
$$

She has a higher percentage on the $2^{\text {nd }}$ test.

Example (4): What percentage is shaded?
a)

29.5\%
b)

d)


