## Arithmetic Pretest

## Fraction, Decimal and Percentage (no calculator permitted) <br> 1. Convert the numbers in different forms.

(1) Change $\frac{3}{5}$ to a decimal.
(2) Change 1.35 to a fraction or mix number in lowest term.
(3) Change $1.2 \%$ to a fraction in lowest term.
(4) Change $\frac{13}{4000}$ to a percent.

## 2. Operation

(1) $1.32 \times 0.0035=$
(2) $4.8-0.0013=$
(3) $\frac{13}{15}+1 \frac{3}{40}=$
(4) $1 \frac{5}{12} \times 2 \frac{2}{7}=$
(5) $2 \frac{2}{9}-1 \frac{13}{15}=$
(6) $13.63 \div 0.035=$
(round up to hundredth)

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## 3. Word problems

(1) Three friends went to buy a pizza, Greg ate $3 / 8$ of the pizza, Peter ate $5 / 12$ of the pizza, how much pizza was left for Jake?
(2) Amy spent $5 / 12$ of her saved money, if there was $\$ 20.50$ left, how much was the total money as Amy saved?
(3) There are 90 students in grade $3,2 / 9$ of the students got mark " $C$ ", $1 / 5$ of the students got mark " $B$ ", the rest of students got mark "A", how many students got "A"?
(4) John earned $\$ 2,100$. He spent $1 / 4$ on rent and $1 / 3$ on food. How much money did he left?

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## Answer Key:

1. Convert the numbers in different forms.
(1) 0.6
(2) $1 \frac{7}{20}$
(3) $\frac{3}{250}$
(4) $0.325 \%$
2. Operation
(1) 0.00462
(2) 4.7987
(3) $1 \frac{113}{120}$ or $\frac{233}{120}$
(4) $3 \frac{5}{21}$ or $\frac{68}{21}$
(5) $\frac{16}{45}$
(6) 389.43
3. Word Problems
(1) $\frac{5}{24}$
(2) 35.14
(3) 52
(4) $\$ 875$
