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Arithmetic Pretest

Fraction, Decimal and Percentage (no calculator permitted)

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?

Arithmetic Pretest

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