

GRADE 5 LESSON 1
NUMBERS UP TO 1,000.

1. Add numbers using properties.

a) $(547 + 1,204) + 496$;

b) $458 + 253 + 42$.

2. Subtract numbers using properties.

a) $1,248 - (48 + 123)$;

b) $(648 + 245) - 145$.

3. Add (Subtract) vertically.

a) $10,789 + 29,320$;

b) $29,321 - 15,423$.

4. Solve for the unknown.

a) $456 + x = 1,252$;

b) $1,038 - y = 243$.

Answers: 1 a) 2247 b) 753

2 a) 1077 b) 1038

3 a) 40109 b) 13898

4 a) 796 b) 795

GRADE 5 LESSON 2
MULTIPLICATION.

1. Determine all possible factors of the following:

- a) 42;
- b) 150;
- c) 1,000.

2. Multiply numbers using properties.

- a) $25 \cdot 38 \cdot 4$;
- b) $125 \times 8 \times 79$;
- c) $317 \cdot 28 \cdot 0$.

3. Multiply vertically.

- a) 108×8 ;
- b) $120 \cdot 83$;
- c) 315×24 .

4. Solve the problem.

One goose egg weighs 130 g and one duck egg weighs 25 g less than the goose egg. Determine the total weight of 2 goose eggs and 1 duck egg.

Answers: 1 a) 1, 2, 3, 6, 7, 14, 21, 42 b) 1,2,3,5,6,10,15,25,30,50,75,150
c) 1, 2, 4, 5, 8, 10, 20, 25, 40, 50, 100, 125, 200, 250, 500, 1000
2 a) 3800 b) 79000 c) 0
3 a) 864 b) 9960 c) 7560
4 a) 365 g

GRADE 5 LESSON 3
DIVISION.

1. Given two numbers 120 and 5, determine:

Numbers	Sum	Difference	Product	Quotient
120				
5				

2. Divide with remainder and check:

a) $25 \div 3$;

b) $37 \div 5$;

c) $44 \div 8$.

3. Solve for the unknown:

a) $4 \cdot x = 1,236$;

b) $x \div 9 = 181$;

c) $381 \div x = 3$.

4. Fill in the blanks with the correct symbol $<$, $>$, $=$:

a) $240 \div 4$ $240 \div 3$;

c) $421 \cdot 1$ $421 \div 1$;

b) $280 \div 40$ $28 \div 4$;

d) $0 \div 18$ $0 \div 523$.

Answers: 1 Sum 125, Difference 115, Product 600, Quotient 24

2 a) 8 R1 b) 7 R2 c) 5 R4

3 a) $x = 309$ b) $x = 1629$ c) $x = 127$

4 a) less than b) equals c) greater than d) equals

GRADE 5 LESSON 4
MONEY.

1. Fill in the table:

Cost per 1 item, \$	Number of items	Total cost, \$
15.05	6	
49.35	10	
20		120
9		189
	4	160
	8	2,896

2. Fill in the table:

Price, \$	Condition	New Price, \$
1,026.60	The price increased two times	
	The price decreased three times	
	The price is \$ 25.40 more	
	The price is \$ 24.40 less	

3. You had \$1,000 in your bank account. You bought a bike for \$401.95, a skateboard for \$79.35 and a soccer ball for \$21.32. How much money is left in your bank account?

4. Place in a descending order:

\$81.32; \$111.21; \$81.35; \$1.21; \$111.11; \$6.99.

Answers: 1 Table: 90.3, 493.5, 6, 21, 40, 362

2 Table: 2053.2, 342.2, 1052, 1002.2

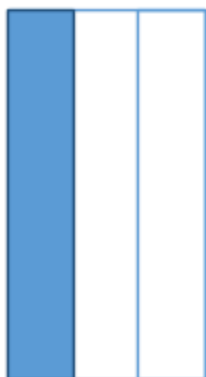
3 497.38

4 \$111.21, \$111.11, \$81.35, \$81.32, \$6.99, \$1.21

GRADE 5 LESSON 5
SIMPLE FRACTIONS.

1. Represent the blue portion of each rectangle as a fraction:

a)



b)



2. Draw a stripe 6 cm long, split it into 6 equal pieces. Colour $\frac{1}{6}$ portion of it red, $\frac{4}{6}$ – green. Which portion of the stripe will remain white?

3. Give an example of a whole number with a denominator 6.

4. What should the value of x be to make the fraction $\frac{9}{x}$ an improper fraction?

5. Place in the ascending order: $\frac{8}{9}$, $\frac{2}{9}$, $\frac{12}{9}$, $\frac{9}{9}$, $\frac{14}{9}$, $\frac{4}{9}$. Which ones of

these fractions are improper? Considering that $\frac{9}{9} = 1$, compare the fractions to 1.

GRADE 5 LESSON 5 (continued)
SIMPLE FRACTIONS.

6. Perform operations with fractions:

a) $\frac{3}{7} + \frac{4}{7}$;

b) $\frac{2}{11} + \frac{9}{11}$;

c) $\frac{11}{16} - \frac{3}{16}$.

7. There were 8 swans on the lake, three of them were white, the rest were black. What fraction of the total were the black swans?

Answers: 1 a) $\frac{1}{3}$ b) $\frac{2}{3}$

2 $\frac{1}{6}$

3 $\frac{6}{6} = 1$

4 Any value less than 9, except 0

5 $\frac{2}{9}, \frac{4}{9}, \frac{8}{9}, \frac{9}{9}, \frac{12}{9}, \frac{14}{9}$. Improper fractions are: $\frac{12}{9}, \frac{14}{9}$ and they are greater than 1.

6 a) $\frac{7}{7} = 1$ b) $\frac{11}{11} = 1$ c) $\frac{8}{16} = \frac{1}{2}$

7 $\frac{5}{8}$

GRADE 5 LESSON 6
MIXED NUMBERS.

1. State the two natural numbers between which each one of the following fractions is located:

a) $8\frac{1}{9}$, b) $2\frac{2}{5}$, c) $10\frac{5}{9}$

2. Organize in a descending order (from largest to smallest):

$3\frac{2}{7}$, 3, $1\frac{5}{7}$, $8\frac{4}{7}$, 1, $\frac{6}{7}$.

3. Convert into a mixed number: $\frac{17}{9}$, $\frac{18}{15}$, $\frac{25}{20}$, $\frac{27}{11}$, $\frac{99}{9}$.

4. Convert into an improper fraction: $1\frac{2}{3}$, $5\frac{4}{11}$, $2\frac{1}{17}$, $5\frac{7}{100}$.

5. Express the fraction $\frac{4}{9}$ as a difference of two other fractions.

6. Evaluate:

a) $3\frac{5}{8} + 1\frac{2}{8}$;

c) $11\frac{2}{9} + 2\frac{7}{9}$;

b) $22\frac{5}{12} - 11\frac{1}{12}$;

d) $4\frac{2}{5} + 3\frac{1}{5} - 7\frac{3}{5}$.

Answers: 1 a) 8 and 9 b) 2 and 3 c) 10 and 11

$$2 \ 8\frac{4}{7}, 3\frac{2}{7}, 3, 1\frac{5}{7}, 1, \frac{6}{7}$$

$$3 \ 1\frac{8}{9}, 1\frac{1}{5}, 1\frac{1}{4}, 2\frac{5}{11}, 11$$

$$4 \ \frac{5}{3}, \frac{59}{11}, \frac{35}{17}, \frac{507}{100}$$

$$5 \ \frac{8}{9} - \frac{4}{9}$$

$$6 \text{ a) } 4\frac{7}{8}, \text{ b) } 11\frac{1}{3} \text{ c) } 14 \text{ d) } 0$$

GRADE 5 LESSON 7
DECIMALS.

1. Record as a decimal:
 - a) 18 and 6 tenths;
 - b) 18 and 6 hundredths;
 - c) 5 and 7 tenths 2 hundredths.

2. Find at least one value of x , such that:
 - a) $9 < x < 10$;
 - b) $0.23 < x < 0.28$;
 - c) $0.3 < x < 0.4$.

3. Organize in the ascending order:
3.01; 30.1; 2.1; 0.98; 0.01; 3.1; 2.01.

4. Evaluate:
 - a) $43.05 + 8.95$;
 - b) $81.81 + 9.09$;
 - c) $12.8 - 3.05$;
 - d) $15.04 - 7.8$.

5. A stripe of material is 30 meters long. Linda cut a piece 6.75 meters long.
How many meters are remaining?

Answers: 1 a) 18.6 b) 18.06 c) 5.72

2 answers may vary

3 0.01, 0.98, 2.01, 2.1, 3.01, 3.1, 30.1

4 a) 52 b) 90.9 c) 9.75 d) 7.24

5 23.25 m