

Heatherwood Mathletes  
Green and Orange Belt Home Exercises  
January 29, 2004

Name \_\_\_\_\_

Date \_\_\_\_\_

# SuperKids Math Worksheet

## Multiplication using numbers between 7 and 50

$$\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 9 \\ \hline \end{array}$$

Create Answer Sheet #82737

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Name \_\_\_\_\_

Date \_\_\_\_\_

# SuperKids Math Worksheet

## Division with Integer Answers using divisors between 4 and 10

$$8 \overline{)96}$$

$$5 \overline{)25}$$

$$9 \overline{)27}$$

$$8 \overline{)72}$$

$$9 \overline{)99}$$

$$10 \overline{)90}$$

$$9 \overline{)90}$$

$$7 \overline{)49}$$

$$9 \overline{)90}$$

$$10 \overline{)10}$$

$$10 \overline{)40}$$

$$9 \overline{)81}$$

$$8 \overline{)16}$$

$$5 \overline{)35}$$

$$7 \overline{)14}$$

Create Answer Sheet #65931

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# SuperKids Math Worksheet

## Addition Problems with Fractions

$$\frac{4}{8} + \frac{5}{5} =$$

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

$$\frac{3}{7} + \frac{7}{8} =$$

$$\frac{4}{5} + \frac{6}{7} =$$

$$\frac{3}{3} + \frac{4}{5} =$$

$$\frac{5}{6} + \frac{6}{7} =$$

$$\frac{4}{4} + \frac{4}{6} =$$

$$\frac{6}{6} + \frac{4}{5} =$$

$$\frac{6}{7} + \frac{6}{8} =$$

$$\frac{5}{6} + \frac{6}{6} =$$

$$\frac{3}{3} + \frac{8}{8} =$$

$$\frac{5}{6} + \frac{8}{8} =$$

Create Answer Sheet #24460

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Name \_\_\_\_\_

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# SuperKids Math Worksheet

## Multiplication Problems with Fractions

$$\frac{3}{6} \times \frac{8}{8} =$$

$$\frac{5}{6} \times \frac{8}{8} =$$

$$\frac{4}{8} \times \frac{3}{4} =$$

$$\frac{3}{4} \times \frac{7}{8} =$$

$$\frac{7}{7} \times \frac{8}{8} =$$

$$\frac{6}{8} \times \frac{6}{6} =$$

$$\frac{3}{7} \times \frac{8}{8} =$$

$$\frac{5}{5} \times \frac{7}{8} =$$

$$\frac{3}{8} \times \frac{5}{8} =$$

$$\frac{4}{8} \times \frac{7}{8} =$$

$$\frac{4}{5} \times \frac{6}{7} =$$

$$\frac{6}{7} \times \frac{4}{7} =$$

Create Answer Sheet #30846

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Name \_\_\_\_\_

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# SuperKids Math Worksheet

## Division Problems with Fractions

$$\frac{3}{7} \div \frac{3}{4} =$$

$$\frac{5}{5} \div \frac{7}{7} =$$

$$\frac{3}{6} \div \frac{5}{6} =$$

$$\frac{3}{4} \div \frac{7}{8} =$$

$$\frac{3}{4} \div \frac{8}{8} =$$

$$\frac{4}{8} \div \frac{7}{7} =$$

$$\frac{3}{4} \div \frac{5}{7} =$$

$$\frac{4}{6} \div \frac{3}{6} =$$

$$\frac{3}{3} \div \frac{6}{7} =$$

$$\frac{4}{4} \div \frac{6}{8} =$$

$$\frac{5}{6} \div \frac{5}{6} =$$

$$\frac{5}{5} \div \frac{3}{6} =$$

Create Answer Sheet #47918

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Name \_\_\_\_\_

Date \_\_\_\_\_

# SuperKids Math Worksheet

## Reducing Fractions with denominators of 20 or less

$$\frac{5}{20} = \quad \frac{18}{20} = \quad \frac{15}{18} = \quad \frac{15}{18} = \quad \frac{6}{15} =$$

$$\frac{18}{20} = \quad \frac{15}{20} = \quad \frac{14}{18} = \quad \frac{8}{12} = \quad \frac{8}{14} =$$

$$\frac{15}{20} = \quad \frac{6}{12} = \quad \frac{8}{14} = \quad \frac{2}{6} = \quad \frac{12}{16} =$$

$$\frac{2}{14} = \quad \frac{16}{20} = \quad \frac{12}{18} = \quad \frac{15}{20} = \quad \frac{12}{14} =$$

$$\frac{14}{16} = \quad \frac{15}{20} = \quad \frac{15}{20} = \quad \frac{12}{14} = \quad \frac{8}{16} =$$

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## Algebra Practice Problems

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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Worksheet generated at **www.math.com**

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1.)  $x / 7 = 5$

2.)  $x + 4 = 11$

3.)  $6 + 5x = 51$

4.)  $5x + 7 = 42$

5.)  $2x + 6 = 16$

6.)  $8 + 6x = 38$

7.)  $90 = 7x + 7x + 6$

8.)  $x + 6 + 3x = 30$

9.)  $7(1 + 1x) = 35$

10.)  $7(5x + 8) = 56$

11.)  $5(7 + 3x) = 170$

12.)  $4(5 + 6x) = 284$

**HIGHLINE SCHOOL DISTRICT  
FIRST YEAR MATH OLYMPIAD March 21, 1998**

School: \_\_\_\_\_

Grade: \_\_\_\_\_

Team Number: \_\_\_\_\_

**Algebraic Sense (Functions & Relationships)**

**1**

1. What is the next number in this sequence?  
0      3      8      15      24      35

2. Find x if

$$\frac{x^2 - 1}{3} = 21$$

\_\_\_\_\_

3. Predict the value of X in this table

In	0	2	8	10	18
Out	5	11	29	X	59

→

\_\_\_\_\_

4. A sofa is on sale for \$100 at the furniture store. Its price has been reduced twice. The first time, the price was reduced by 50%. The second time, the price was reduced by another \$50. How much did the sofa cost originally?

\_\_\_\_\_

5. The weights of 3 cats add up to 36 pounds. The heaviest cat is twice as heavy as the lightest cat. The middle cat weighs 4 pounds less than the heaviest cat. How much does the lightest cat weigh?

\_\_\_\_\_

**HIGHLINE SCHOOL DISTRICT  
MATH OLYMPIAD  
FIRST YEAR COMPETITION  
March 22,1997**

**Functions and  
Relationships**

**School:** \_\_\_\_\_

**Grade:** \_\_\_\_\_

**Team Number:** \_\_\_\_\_

1). (4 points) Trung has quarters and nickels. He has 23 coins which add up to \$4.55. How many quarters does Trung have?

**Answer:** \_\_\_\_\_

2). (4 points) Find X:

$$3X - 22 = 5$$

**Answer:** \_\_\_\_\_

3). (4 points) I have a bag of marbles. I gave a third of them to Tina. Then I gave half of what I had left to Tom. I now have 8 marbles left. How many marbles did I start with?

**Answer:** \_\_\_\_\_

4). (4 points) My parents run a small restaurant. They have tables for 2 and tables for 4. There are a total of 11 tables that seat a total of 32 people. How many 2 person tables do my parents have in their restaurant?

**Answer:** \_\_\_\_\_

5). (4 points) Evaluate for  $x = -9$ ,  $y = 3$ :

$$\frac{(y - x)}{(x - y)} =$$

**Answer:** \_\_\_\_\_