

Heatherwood Mathletes  
Blue Belt Home Exercises  
October 28, 2004

Name \_\_\_\_\_

Date \_\_\_\_\_

# SuperKids Math Worksheet

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

$9 \overline{)171}$

$5 \overline{)160}$

$10 \overline{)330}$

$7 \overline{)84}$

$8 \overline{)248}$

$4 \overline{)308}$

$9 \overline{)18}$

$6 \overline{)192}$

$5 \overline{)120}$

$8 \overline{)280}$

$6 \overline{)330}$

$4 \overline{)304}$

$7 \overline{)315}$

$5 \overline{)145}$

$10 \overline{)10}$

$6 \overline{)48}$

$9 \overline{)135}$

$9 \overline{)342}$

$4 \overline{)224}$

$7 \overline{)196}$

Create Answer Sheet #20390

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## Mixed Review

(Answer ID # 0134677)

**Multiply. Write the answer in simplest form.**

1.  $5\frac{2}{3} \cdot \frac{3}{5}$

2.  $1\frac{4}{6} \cdot \frac{1}{4}$

3.  $\frac{1}{2} \cdot 10\frac{11}{12}$

**Add or subtract. Write the answer in simplest form.**

4.  $7\frac{2}{6} - \frac{4}{5}$

5.  $10\frac{3}{7} - 1\frac{6}{13}$

6.  $\frac{8}{10} + 8\frac{2}{3}$

**Add or subtract. Write the answer in simplest form.**

7.  $10\frac{14}{99} + 14$

8.  $13\frac{2}{3} + 11\frac{1}{3}$

9.  $\frac{6}{8} - \frac{2}{8}$

**Add or subtract. Write the answer in simplest form.**

10.  $13 - \frac{2}{3}$

11.  $19 - \frac{4}{5}$

12.  $14 + \frac{5}{19}$

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## Decimals

(Answer ID # 0228241)

**Compare. Write  $<$ ,  $>$ , or  $=$ .**

1.	12.93620	_____	12.1010	2.	9.340	_____	9.340
3.	3.18	_____	3.32	4.	4.671	_____	4.671
5.	7.0000150	_____	7.00190	6.	5.92909	_____	5.926050
7.	11.250	_____	11.1	8.	10.44	_____	10.3
9.	2.380	_____	2.380	10.	8.16	_____	8.11
11.	6.1623	_____	6.6213	12.	1.590	_____	1.50
13.	0.610	_____	0.610	14.	5.2116603	_____	5.2116479
15.	7.2744830	_____	7.808634	16.	2.80	_____	2.840
17.	9.000006	_____	9.0005	18.	1.829	_____	1.9820
19.	6.10147	_____	6.102960	20.	10.55	_____	10.4
21.	12.640	_____	12.64	22.	0.58	_____	0.580
23.	11.000040	_____	11.00000016	24.	3.48930	_____	3.83940
25.	4.97	_____	4.8	26.	8.777	_____	8.7900
27.	1.6	_____	1.76	28.	12.750	_____	12.750
29.	8.18	_____	8.22	30.	11.59720	_____	11.83280

**Compare. Write <, >, or =.**

13. $\frac{5}{11}$ $\frac{8}{9}$	14. $\frac{10}{14}$ $\frac{5}{8}$	15. $\frac{15}{25}$ $\frac{3}{28}$
16. $\frac{1}{8}$ $\frac{4}{7}$	17. $\frac{3}{28}$ $\frac{15}{23}$	18. $\frac{5}{6}$ $\frac{20}{24}$

**Order the fractions from least to greatest.**

19. $\frac{2}{6}$ , $\frac{1}{2}$ , $\frac{3}{8}$	20. $\frac{5}{16}$ , $\frac{6}{11}$ , $\frac{1}{3}$	21. $\frac{10}{17}$ , $\frac{4}{19}$ , $\frac{7}{10}$
22. $\frac{5}{13}$ , $\frac{13}{18}$ , $\frac{2}{4}$	23. $\frac{11}{12}$ , $\frac{3}{14}$ , $\frac{4}{9}$	24. $\frac{2}{5}$ , $\frac{7}{15}$ , $\frac{4}{7}$

**Write each mixed number as an improper fraction in simplest form.**

25. $4\frac{6}{7}$	26. $6\frac{1}{2}$	27. $3\frac{3}{14}$	28. $2\frac{1}{6}$
29. $1\frac{4}{9}$	30. $5\frac{9}{12}$	31. $6\frac{2}{3}$	32. $5\frac{10}{15}$

**Multiply. Write the answer in simplest form.**

33. $2 \cdot \frac{2}{4}$	34. $9 \cdot \frac{3}{5}$	35. $10 \cdot \frac{5}{18}$
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# Algebra

(Answer ID # 0855489)

**Express each phrase as an algebraic expression.**

1. a number $w$ divided by 24	2. a number $s$ less than 23
3. 7 multiplied by a number $h$	4. a number $a$ increased by 12
5. 16 decreased by a number $j$	6. sum of 39 and a number $p$
7. 15 plus a number $b$	8. take away a number $v$ from 37
9. 33 more than a number $q$	10. difference of a number $g$ and 26
11. a number $z$ less 36	12. quotient of 9 and a number $x$
13. subtract 41 from a number $d$	14. 45 minus a number $y$
15. 46 divided into a number $r$	16. product of a number $e$ and 5
17. add 49 to a number $n$	18. 6 times a number $m$
19. product of a number $u$ and 14	20. quotient of 13 and a number $k$
21. 4 multiplied by a number $f$	22. 20 increased by a number $c$
23. difference of a number $t$ and 2	24. a number $x$ divided by 44
25. sum of 32 and a number $f$	26. 21 more than a number $z$
27. add 19 to a number $c$	28. subtract a number $g$ from 31
29. a number $t$ less than 10	30. 29 minus a number $w$

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# Algebra

(Answer ID # 0231264)

**Express each phrase as an algebraic expression.**

1. 10 plus 18 multiplied by a number $j$	2. 9 less than the sum of a number $v$ and 37
3. 5 times the product of a number $d$ and 43	4. 9 plus 30 more than a number $s$
5. add a number $m$ to 28	6. 9 times the quotient of 34 and a number $e$
7. a third of the difference of a number $t$ and 36	8. 9 less than 26 multiplied by a number $f$
9. 2 more than the quotient of 11 and a number $y$	10. 4 more than the sum of a number $c$ and 6
11. 7 less than the product of a number $z$ and 20	12. a number $b$ decreased by 4
13. 3 plus 9 minus a number $x$	14. 9 more than the difference of 42 and a number $p$
15. 2 less than the sum of a number $r$ and 46	16. 6 more than the product of 21 and a number $k$
17. difference of a number $n$ and 45	18. 11 times the difference of 32 and a number $g$
19. 12 less than a number $a$ multiplied by 49	20. 4 less than the quotient of 23 and a number $h$
21. 4 plus 47 times a number $q$	22. take away 25 from a number $u$
23. a fifth of the difference of a number $d$ and 22	24. 3 times the product of a number $w$ and 27
25. 3 more than the quotient of 19 and a number $p$	26. 5 less than the sum of a number $q$ and 12
27. a fourth of the product of 48 and a number $g$	28. 5 times the difference of 3 and a number $e$

## Algebra Practice Problems

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

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

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1.)  $6x + 7 = 19$

2.)  $-2x + 7 = -17$

3.)  $3 + 6x = 51$

4.)  $6x + 3 = 69$

5.)  $-5 - 6x = -5$

6.)  $9 - 2x = 7$

7.)  $-5x + 7 = -38$

8.)  $6x + 1 = 13$

9.)  $6x - 5 = 67$

10.)  $8 + 6x = 56$

11.)  $4x + 7 = -9$

12.)  $-1 - 5x = 19$

13.)  $3x - 1 = -13$

14.)  $3 + 7x = 10$

## Algebra Practice Problems

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

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

1.)  $-5x + 4 + 4x = 16$

2.)  $64 = 5x + x + 10$

3.)  $-5x + 2 = 1 - 4x$

4.)  $3x + 3 = -5x + 3$

5.)  $-5(-6 + 5x) = -245$

6.)  $-7(6 + 7x) = -42$

7.)  $7(5 + 3x) = 35$

8.)  $4(1x + 4) = 8$

9.)  $6(-2x + 6) = 180$

10.)  $5(-9 + 2x) = -5$

11.)  $3(-3 - 3x) = 27$

12.)  $-3(7x + 5) = -183$

13.)  $6(-1x + 5) = 90$

14.)  $2(-6 - 2x) = -48$

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## Algebra

(Answer ID # 0454847)

**Complete.**

1. If a number is decreased by 9, the result is 18. What is the number?	2. Thirty-nine less than a number is twenty-two. What is the number?
3. A number minus 24 is thirty-seven. What is the number?	4. Four times a number, decreased by four, equals twenty-four. What is the number?