

# Speed Work: Level Two

## Table of Contents

Math Facts - Add & Subtract:	Level Two: 30 problems .....	3
Math Facts - Multiply & Divide:	Level Two: 30 problems .....	4
Finding <i>GCF</i> & <i>LCM</i> :	Level Two: 12 problems.....	5
Reducing Fractions:	Level Two: 20 problems .....	6
Percents & Fractions:	Level Two: 20 problems.....	7
Cross Multiply:	Level Two: 12 problems.....	8
Distributive Property:	Level Two: 12 problems.....	9
One Variable Problems:	Level Two: 12 problems.....	10
Answer Key	Level Two.....	11

## Mastery Goals

Topic	# Correct to Pass	Time to Pass (Minutes)
Math Facts - Add & Subtract:	27	1
Math Facts - Multiply & Divide:	27	1
Finding <i>GCF</i> & <i>LCM</i> :	11	2
Reducing Fractions:	18	1
Decimals & Percents:	18	1
Cross Multiply:	11	2
Distributive Property	11	2
One Variable Problems	11	2



## Math Facts - Add &amp; Subtract:

## Level Two: 30 problems

$5 + 9 =$	$6 + 9 =$	$8 + 9 =$	$8 + 8 =$	$9 + 9 =$
$5 + 8 =$	$6 + 7 =$	$7 + 9 =$	$3 + 8 =$	$4 + 9 =$
$5 + 7 =$	$8 + 6 =$	$7 + 4 =$	$8 + 4 =$	$9 + 3 =$
$16 - 9 =$	$18 - 9 =$	$17 - 8 =$	$11 - 9 =$	$14 - 9 =$
$15 - 9 =$	$15 - 8 =$	$14 - 8 =$	$20 - 12 =$	$18 - 12 =$
$24 - 12 =$	$12 - 7 =$	$17 - 9 =$	$20 - 9 =$	$20 - 7 =$

## Math Facts - Multiply &amp; Divide:

Level Two: 30 problems

$7 \times 7 =$	$8 \times 9 =$	$8 \times 5 =$	$9 \times 6 =$	$7 \times 8 =$
$8 \times 6 =$	$9 \times 4 =$	$7 \times 5 =$	$7 \times 6 =$	$9 \times 9 =$
$7 \times 4 =$	$8 \times 8 =$	$9 \times 5 =$	$7 \times 9 =$	$6 \times 6 =$
$24 \div 6 =$	$25 \div 5 =$	$45 \div 5 =$	$42 \div 7 =$	$72 \div 8 =$
$54 \div 6 =$	$56 \div 8 =$	$27 \div 3 =$	$63 \div 9 =$	$35 \div 7 =$
$49 \div 7 =$	$48 \div 8 =$	$24 \div 8 =$	$21 \div 7 =$	$32 \div 8 =$

Find the *Greatest Common Factor (GCF)* of the following pairs of numbers:

6 and 12	10 and 12	24 and 27	20 and 30
28 and 35	12 and 20	21 and 42	18 and 24

Find the *Least Common Multiple (LCM)* of the following pairs of numbers

4 and 5	8 and 12	6 and 9	9 and 12
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# Reducing Fractions:

# Level Two: 20 problems

$\frac{6}{12} =$	$\frac{8}{12} =$	$\frac{3}{15} =$	$\frac{3}{9} =$
$\frac{10}{40} =$	$\frac{5}{20} =$	$\frac{6}{18} =$	$\frac{2}{6} =$
$\frac{4}{10} =$	$\frac{4}{24} =$	$\frac{11}{22} =$	$\frac{7}{21} =$
$\frac{3}{33} =$	$\frac{9}{36} =$	$\frac{8}{72} =$	$\frac{12}{24} =$
$\frac{8}{32} =$	$\frac{8}{56} =$	$\frac{7}{28} =$	$\frac{6}{50} =$

Percents & Fractions:

Level Two: 20 problems

Write each following percent as a decimal:

$25\% =$

$5\% =$

$18\% =$

$10\% =$

$19.5\% =$

$125\% =$

$1\% =$

$100\% =$

$49.9\% =$

$12.01\% =$

$0.1\% =$

$32\% =$

Write each following fraction as a percent:

$\frac{1}{4}$

$\frac{1}{2}$

$\frac{3}{10}$

$\frac{74}{100}$

$\frac{2}{50}$

$\frac{16}{100}$

$\frac{3}{4}$

$\frac{7}{100}$

Cross Multiply:

Level Two: 12 problems

$$\frac{2}{3} = \frac{x}{6}$$

$$\frac{3}{5} = \frac{x}{10}$$

$$\frac{2}{9} = \frac{x}{18}$$

$$\frac{4}{5} = \frac{x}{20}$$

$$\frac{1}{6} = \frac{x}{12}$$

$$\frac{3}{2} = \frac{x}{8}$$

$$\frac{7}{3} = \frac{x}{9}$$

$$\frac{7}{2} = \frac{x}{4}$$

$$\frac{2}{5} = \frac{x}{30}$$

$$\frac{2}{11} = \frac{x}{22}$$

$$\frac{1}{10} = \frac{x}{50}$$

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



Distributive Property:

Level Two: 12 problems

$2(x + 2) =$	$4(x - 2) =$	$5(x + 4) =$	$6(2x + 4) =$
$3(3x - 6) =$	$7(x - 3) =$	$2(2x - 1) =$	$8(2x + 5) =$
$9(3x + 3) =$	$3(2x + 1) =$	$2(x + 1) =$	$2(x - 1) =$

One Variable Problems:

Level Two: 12 problems

$x + 5 = 12$	$x - 9 = 2$	$2x + 2 = 10$	$12 - x = 3$
$3x + 1 = 10$	$x + 9 = 11$	$4x + 6 = 10$	$8x + 2 = 10$
$14 - x = 5$	$20 - x = 10$	$2x - 4 = 8$	$5x - 5 = 10$

# Answer Key

# Level Two

Add / Sub.					Multiply / Divide					GCF & LCM			
14	15	17	16	18	49	72	40	54	56	6	2	3	10
13	13	16	11	13	48	36	35	42	81	7	4	21	6
12	14	11	12	12	28	64	45	63	36	20	24	36	36
7	9	9	2	5	4	5	9	6	9				
6	7	6	8	6	9	7	9	7	5				
12	5	8	11	13	7	6	3	3	4				
Fractions				Percents				Cross Multiply					
$\frac{1}{2}$	$\frac{2}{3}$	$\frac{1}{5}$	$\frac{1}{3}$	0.25	0.05	0.18	0.1	4	6	4	16		
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{3}$	.195	1.25	.01	1.0	2	12	21	14		
$\frac{2}{5}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{1}{3}$	.499	.1201	0.001	0.32	12	4	5	6		
$\frac{1}{11}$	$\frac{1}{4}$	$\frac{1}{9}$	$\frac{1}{2}$	25%	50%	30%	74%						
$\frac{1}{4}$	$\frac{1}{7}$	$\frac{1}{4}$	$\frac{3}{25}$	4%	16%	75%	7%						
Distributive Property				One Var. Problems									
$2x + 4$	$4x - 8$	$5x + 20$	$12x + 24$	7	11	4	9						
$9x - 18$	$7x - 21$	$4x - 2$	$16x + 40$	3	2	1	1						
$27x + 27$	$6x + 3$	$2x + 2$	$2x - 2$	9	10	6	3						