

Answer Key for Grade 5 – Quarter #2

(for both individual work and for group work)

Notes for Parents:

- This document is intended for parents and teachers – not for students.
- This answer key doesn't include all answers.

Week 9

Group Assignment:

for Thursday. Here are the prime numbers less than 250:

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 131, 137, 139, 149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 227, 229, 233, 239, 241

Individual Work: *Practice Problems:*

- | | | | |
|--------|---------|---------|------------|
| 1) 364 | 3) 259 | 5) 1504 | 7) 120,744 |
| 2) 195 | 4) 5659 | 6) 4698 | 8) 3954 |

Week 10

Individual Work:

9's table up to 400:

9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99, 108, 117, 126, 135, 144, 153, 162, 171, 180, 189, 198, 207, 216, 225, 234, 243, 252, 261, 270, 279, 288, 297, 306, 315, 324, 333, 342, 351, 360, 369, 378, 387, 396

Group Assignment:

Tuesday: 1 mile = 63,360 inches; 1 mile = 1760 yards; 1 ton = 32,000 ounces
1 fl.oz. = 6 tsp; 1 gallon = 16 cups

Distance	Mile	Yard	Foot	Inch
Mile	1	1/1760	1/5280	1/63360
Yard	1760	1	1/3	1/36
Foot	5280	3	1	1/12
Inch	63360	36	12	1

Weight	Ton	Pound	Ounce
Ton	1	1/2000	1/32,000
Pound	2000	1	1/16
Ounce	32,000	16	1

Volume	Gallon	Quart	Pint	Cup	Fl.Oz.	Tbsp	Tsp
Gallon	1	1/4	1/8	1/16	1/128	1/256	1/768
Quart	4	1	1/2	1/4	1/32	1/64	1/192
Pint	8	2	1	1/2	1/16	1/32	1/96
Cup	16	4	2	1	1/8	1/16	1/48
Fl.Oz.	128	32	16	8	1	1/2	1/6
Tbsp	256	64	32	16	2	1	1/3
Tsp	768	192	96	48	6	3	1

Thursday: A number is divisible by 9 only if its digits add to something in the 9's table.

Week 11

Group Assignment:

Tuesday – Brick Puzzle

- 1) $5\frac{7}{8}$ inches
- 2) 27 feet, 5 inches
- 3) 1152 bricks
- 4) 17,280 pounds, or about 9 tons, which is about three times the weight of a small car!

Individual Work:

1) *Measurement Conversions.*

- | | | | |
|--------------|-------|-------------------|--------------|
| a) 60 | d) 14 | g) $3\frac{1}{4}$ | j) 54 |
| b) 10 | e) 5 | h) 144 | k) 2,800,000 |
| c) 5,280,000 | f) 40 | i) 10 | |

2) Weights, in order:

- c) African elephant – 4800 lb or almost $2\frac{1}{2}$ tons
- a) Full-grown horse – 1000 lb or $\frac{1}{2}$ ton
- f) Moose – 850 lb
- e) Dolphin – 450 lb
- b) Male lion – 385 lb
- d) Gorilla – 300 lb

3) Weights:

- a) Small car – 3000 lb or $1\frac{1}{2}$ tons
- b) fairly large SUV – 6000 lb 3 tons

Week 12

Group Assignment:

Tuesday:

- 5) Ignore the ending zeroes, do the division, then put the zeroes back.
- 11) If the number of ending are equal, then just ignore the zeroes.
- 17) Combine both of the above tricks – ignore the same number of zeroes from both numbers, then ignore the remaining zeroes, do the division, then put the remaining zeroes back.
- 18) 30
- 19) 90
- 20) 7000

Thursday:

To determine if a number is divisible by 4, you only need to look at the last 2 digits. If the last two digits are divisible by 4 (in the 4's table), then the whole number is divisible by 4.

Individual Work:

2) *Reading a Ruler.*

- A) $3\frac{3}{4}$ B) $2\frac{1}{2}$ C) $3\frac{1}{8}$ D) $2\frac{1}{8}$ E) $2\frac{3}{8}$ F) $\frac{9}{16}$ G) $\frac{11}{16}$

3) *Measurement Conversions.*

- | | | | |
|-----------|-------|-------------------|-----------|
| a) 240 | d) 10 | g) 5 | j) 24,000 |
| b) 5 | e) 26 | h) 80 | k) 9 |
| c) 15,840 | f) 10 | i) $2\frac{1}{2}$ | |

Week 13

Group Assignment:

for Tuesday:

1)	3	9)	1	17)	5
2)	2	10)	1	18)	5
3)	1	11)	1	19)	8
4)	1	12)	1	20)	8
5)	1	13)	3	21)	6
6)	1	14)	3	22)	8
7)	0	15)	0	23)	7
8)	4	16)	2	24)	5

for Thursday:

- 1) 13
- 2) 31
- 3) 51
- 4) 14
- 5) 8

Individual Work:

1) 9	8) 7	15) 50	22) $13+8=21$; $8+13=21$; $21-8=13$; $21-13=8$
2) 90	9) 7	16) 40	23) $800-43=757$; $800-757=43$; $43+757=800$; $757+43=800$
3) 900	10) 7	17) 900	24) $100\div 25=4$; $100\div 4=25$; $4\times 25=100$; $25\times 4=100$
4) 9,000,000	11) 7	18) 900	25) $35\times 62=2170$; $62\times 35=2170$; $2170\div 62=35$; $2170\div 35=62$
5) 70	12) 7	19) 9000	26) divisible by 2, 3, 4
6) 800	13) 7	20) 60	27) divisible by 2, 3, 5, 9, 10
7) 40,000	14) 8	21) 900,000	28) divisible by 2, 4

Week 14

Group Assignment:

Tuesday

- 1) a 2) b 3) a 4) c 5) b 6) a 7) not possible 8) a 9) c 10) c 11) b

Thursday

- 1 a) Two cats and one bird
b) Six cats and four birds
- 2) 19
- 3) $54 \times 3 = 162$

Individual Work:

1) 200	10) $514+486=1000$; $486+514=1000$	13) $13\times 63=819$; $63\times 13=819$ $819\div 13=63$; $819\div 63=13$	18) Yes!	28) 3
2) 9000	$1000-486=514$; $1000-514=486$	14) $23\div 4 \rightarrow 5r3 \rightarrow 5\frac{3}{4} \rightarrow 23\div 4$	19) 4	29) 3
3) 50000	11) $50,000-400=49,600$; $50,000-49,600=400$	15) $\frac{34}{9} \rightarrow 34\div 9 \rightarrow 3r7 \rightarrow 3\frac{7}{9} \rightarrow \frac{34}{9}$	20) 4	30) 2
4) 8	$49,600+400=50,000$; $400+49,600=50,000$	16) $8\frac{2}{3} \rightarrow \frac{26}{3} \rightarrow 26\div 3 \rightarrow 8r2 \rightarrow 8\frac{2}{3}$	21) 4	31) 5
5) 7	12) $564\div 6=94$; $564\div 94=6$	17) 2, 3, 5, 9, 10	22) 2	32) 5
6) 11	$6\times 94=564$; $94\times 6=564$		23) 9	33) 5
7) 90			24) 4	34) 8
8) 5000			25) 9	35) 0
9) 500			26) 2	36) 4
			27) 3	37) 2
				38) 1

Week 15

Group Assignment:

Tuesday (Note that the GCF is underlined.)

- 1) 1, 5 2) 1, 2, 3, 6 3) 1 4) 1, 2, 4, 7, 14, 28
5) LCM is 24 6) 100 7) 126 8) 240
9) 638 10) 273 11) 739

Thursday

Puzzle #1

- a) 285714 b) 428571 c) 571428 d) 714285 e) 857142 f) 999,999

Puzzle #2: There are 35 triangles.

Individual Work:

- | | | |
|------------------------------|---|------------|
| 1) 4000 | 6) $74 \times 23 = 1702$ | 9) 2, 3, 4 |
| 2) 900,000 | $23 \times 74 = 1702$ | 10) Yes |
| 3) 3100 | $1702 \div 23 = 74$ | 11) 8624 |
| 4) 60 | $1702 \div 74 = 23$ | 12) 464 |
| 5) $300,000 - 700 = 299,300$ | 7) $37 \div 5 \rightarrow 7r2 \rightarrow 7\frac{2}{5} \rightarrow \frac{37}{5} \rightarrow 37 \div 5$ | 13) 1298 |
| $300,000 - 299,300 = 700$ | 8) $5\frac{3}{7} \rightarrow \frac{38}{7} \rightarrow 38 \div 7 \rightarrow 5r3 \rightarrow 5\frac{3}{7}$ | 14) 26,648 |
| $299,300 + 700 = 300,000$ | | |
| $700 + 299,300 = 300,000$ | | |

Week 16

Group Assignment:

Tuesday

- 3 c) 18 d) 9 e) 24 f) 8 g) 3 h) 4
5 a) $\frac{8}{10}$ or $\frac{4}{5}$ b) $\frac{9}{10}$

Thursday

- 1) 43
2) 53
3) The possible answers are two less than multiples of 12 (e.g., 10, 22, 34, 46, etc.).

Individual Work:

- 1) 5828
2) 1764
3) $61 \div 8 \rightarrow 7r5 \rightarrow 7\frac{5}{8} \rightarrow \frac{61}{8} \rightarrow 61 \div 8$
4) $3\frac{5}{6} \rightarrow \frac{23}{6} \rightarrow 23 \div 6 \rightarrow 3r5 \rightarrow 3\frac{5}{6}$
5) 3, 5, 9
6) 2, 3, 5, 10
7) 2, 4
8) 2864
9) 643
10) 3568