Answer key

Anagha's Math Level 4- Week 10

We specialize in Advanced & School Level Math coaching for Grades: K- 12
In-person & Online Math Group classes, Privates, Semi-Privates
Our Mission: To educate, motivate and encourage every student to excel in mathematics.
Email: admin@anaghasmath.com Website: https://www.anaghasmath.com
Phone: (908)705-5397 & (425)830-9664
Correspondence Address: 7040 Cascade Ave SE, Snoqualmie, WA 98065

Topics covered in class	Pages explained in class	Required Homework pages (2 Moola point)
*Review of concepts covered in the previous weeks	Difficult concepts from this packet will be reviewed in class and the rest of the packet is homework.	Full packet is required homework this week

Test 1 will be conducted during regular class next week.
Use Answer-keys posted on Teams for Weeks 9 and 10. They are the review materials for Test 1

Test 1 Information:

- Test 1 in Week 11 during regular class. Study material in Weeks 9 and 10 packet.
- Sample test available for practice on Teams General channel during week 10.

For Online Students:

- Test link on Teams General channel. It will be Active only during class time.
- Latecomers may not complete the test. Tests that are not submitted cannot be retrieved by us.
- Report cards will be posted on student channels by week 12.

For In-person Students:

- Paper test during regular class. Graded tests will be returned by week 12.

Moola Credits:

- Level K-5 (15 Moolas): $5 Amazon Gift Card. Level 6-9 (15 Moolas): Five extra test points.

Make-up Tests and Other Test-related Information:

- Missed class, take the test in make-up class.
- At-home make-up/retake test link emailed to parents on Friday evening.
- Must be taken under parent supervision by Sunday night.
- Writing supplies are allowed for all levels.
- **Grades K-6 Intermediate:** No calculators, media devices, or reference materials.
- **Grades 6 Adv-10:** No media devices/reference materials, but calculators allowed.

"Success during a test depends on the preparation put in before the test."

**** GOOD LUCK TO ALL STUDENTS****

Teacher/ TA Homework Grading & Comments:
For In-Person student use only

STUDENT NAME: _____

Students, complete homework to the best of your ability & check work using the answer keys posted in TEAMS.

Has the student checked packet using Answer Key?	Required homework (1 Moola earned)	Extra credit homework (1 Moola earned)	Total Moolas earned this week.	Teacher/TA Name
Yes / No	Yes / No	Yes / No	0 1 2	

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About Us:

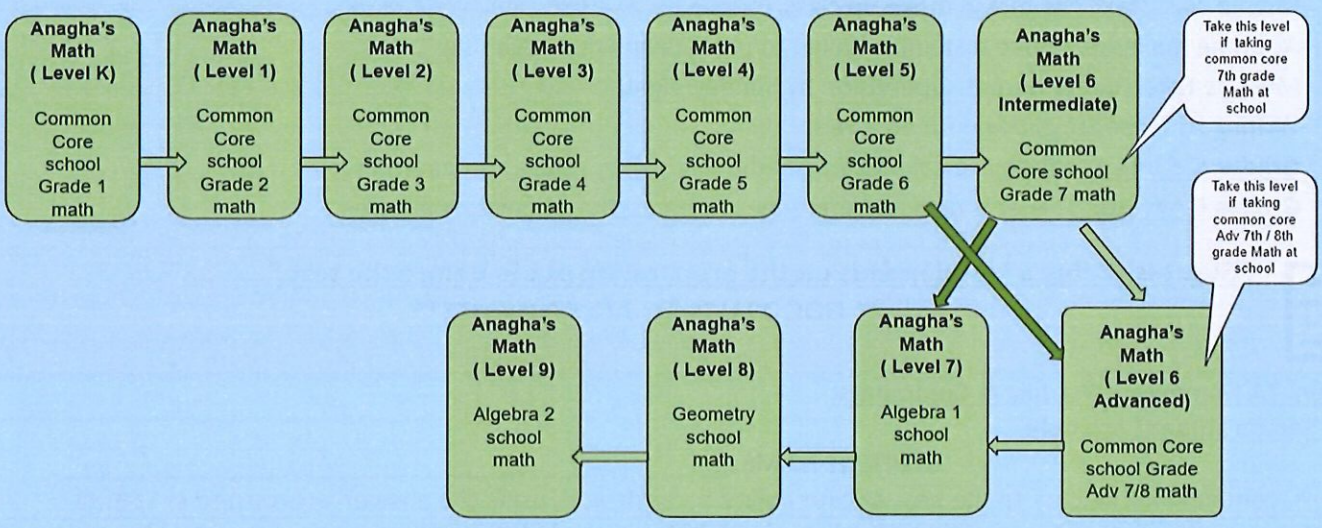
- We offer Advanced and School level math coaching to students from kindergarten to 12th grade.
- Classes are conducted In-person & online as small groups, private & semi-private tutoring throughout the year.
- Our teaching methodology and course curriculum enables students to learn mathematical fundamentals and concepts at their very foundations.
- This ensures a love for mathematics which then naturally flows into a successful school year with excellent grades.
- Anagha's Math Classes started with just a handful of students in Snoqualmie, WA. USA over 10 years ago.
- Today we have more than six hundred students nationwide and are still growing!
- The biggest compliment is our students continue with us over years till the end of the program.
- We are completely student-need focused and make our children be confident and independent Mathematicians!

Why our program is so effective?

- Our students develop lifelong critical thinking skills.
- Our curriculum not only meets common core requirements but also provides graduated challenges to those sharp eager minds!
- We are not dictated by any corporate office to deliver a set pattern of teaching material to our students.
- We have the flexibility to adapt our curriculum to match that of multiple school districts in USA.

Congrats to all our students! 95% of our students are in Advanced math at school.

Anagha's Math flowchart in comparison to school grades in USA



Program Highlights

- We offer in-person and online classes (Academic year and Summer programs).
- Unique one of a kind curriculum specifically designed to go beyond the needs of any school district in in United States.
- Our teaching style inculcated understanding on mathematics in a way that grows student confidence and ensures academic success.
- Experienced teachers who teach tips and tricks to mentally compute and/or solve problems in step by step manner.

5)	Anna bought 20 mangoes. Each mango cost 99 cents. What was the total cost of 20 mangoes? $20 \times 99 = 1980$ $99 \times 2 = 198$ $ 19.80	What is the total cost of 5 laptops if each laptop cost $498 ? $498 \times 5 = 2490$ $500 \times 5 = 2500 - 2 \times 5 = 2490$ $ 2,490
6)	How much distance will a car travel in 1 minute if it travels 60 miles in one hour? miles: 60 miles, ? | minutes: 60 minutes, 1 minute 1 Miles	How much distance will a car travel in 10 minutes if it travels 60 miles in one hour? miles: 60 miles, 10 miles | minutes: 60 minutes, 10 minutes 10 Miles
7)	How much distance will a bus travelling at 46 miles per hour cover in 7 hours? $46 \times 7 = 322$ 322 Miles	How much distance will an airplane travelling at 206 miles per hour cover in 3 hours? $206 \times 3 = 618$ 618 Miles
8)	Anna dances for 22 minutes each day from Monday to Wednesday and for 15 mintues each day on Friday and Thursday. How many minutes in all does she dance that week? $22 + 22 + 22 + 15 + 15 = 22 \times 3 + 15 \times 2 = 66 + 30$ 96 minutes	A flight leaves Seattle at 4:25 pm and reaches Vegas at 6:15 pm. What was the duration of the flight? 4:25 pm to 6:00 pm: 1 Hour 35 min 6:00 pm to 6:15 pm: 15 minutes $= 1$ Hr 50 min 1 hours 50 minutes

4/10-Pg (2)

(Answer key)

Extra material to Review:

1) Write the number below as a product of two factors as shown in the example

50	60	48
1 X 50	1 X 60	1 X 48
2 X 25	2 X 30	2 X 24
5 X 10	3 X 20	3 X 16
—	4 X 15	4 X 12
—	6 X 10	6 X 8
—	—	—

2) There are 7 shelves in a library. Each shelf holds nine hundred and seven books. How many books are there in all?

$$\begin{array}{r} {}^{4} \\ 907 \\ \times\ \ 7 \\ \hline 6349 \end{array}$$

6,349 books

What is the sum of all the odd numbers between 10 and 20?

11 + 13 + 15 + 17 + 19

= 10 + 1 = 50 + 25

10 + 3 = 75

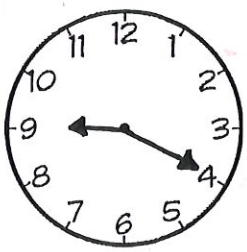
10 + 5

10 + 7

10 + 9

75

3)

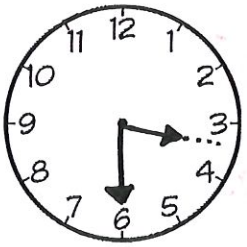


The time shown on the clock is: 9:20

What time will it be 2 hours 25 minutes after the time shown?

$$\begin{array}{r} 9:20 \\ +\ 2:25 \\ \hline 11:45 \end{array}$$

11:45



The time shown on the clock is: 3:30

What time was it 2 hours 10 minutes before the time shown?

$$\begin{array}{r} 3:30 \\ -\ 2:10 \\ \hline 1:20 \end{array}$$

1:20

4) Write the matching number

a) Three million, two hundred seventy- five 3,000,275

b) Fifty million, fifty- nine thousand six hundred 50,059,600

c) Seventy-two milion, eight hundred thousand 72,800,000

d) Seventy-two milion, eight hundred 72,000,800

e) Seventy-two milion, six hundred thousand nineteen 72,600,019

4/10 - Pg (1)

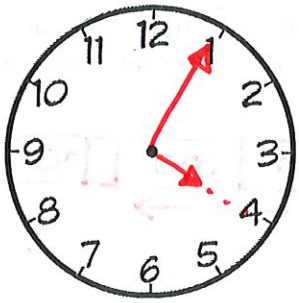
9) What is the elapsed time?

1)	10:20 pm to 11:10 pm =	0	hours	50 minutes
2)	4:40 pm to 9:30 pm =	4	hours	50 minutes
3)	11:00 am to 1:30 am =	14	hours	30 minutes

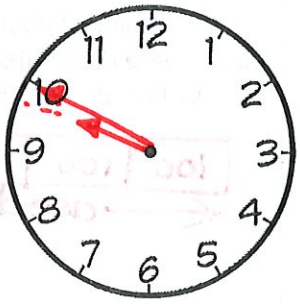
4:40 pm } 5 Hrs
9:40 pm }

11:00 am } 1 Hour
12:00 pm }
12:00 am } 12 Hours
1:30 am } 1 Hrs 30 min

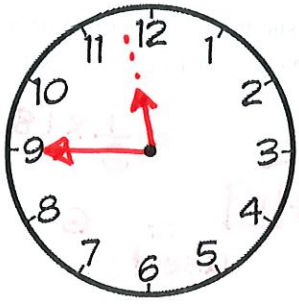
10) Mark the times on the clock below



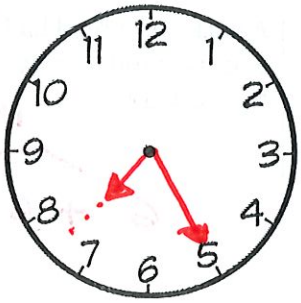
4:05



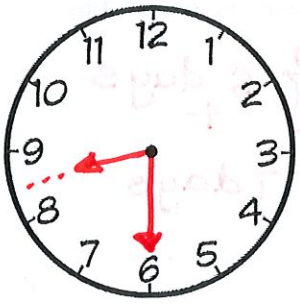
9:50



11:45

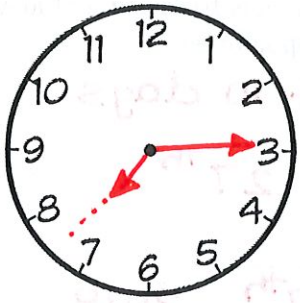


7:25

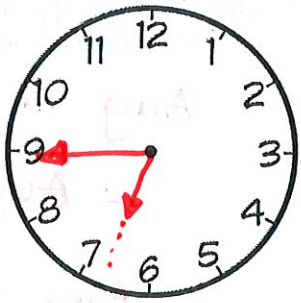


8:30

4:20

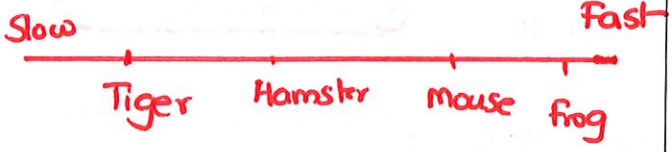


Quarter past 7 = 7:15



Quarter to 7= 6:45

11) Mouse runs faster than the Hamster. The frog runs faster than the mouse. The Tiger runs slower than the Hamster. What is the fastest?



Frog

One tree has 122 apples. At that rate, how many apples will 5 trees have?

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 1\,2\,2 \\ \times\ 5 \\ \hline 6\,1\,0 \end{array}$$

610 Apples

4/10 - Pg (3)

12) Mom divides 47 cookies among her 4 kids equally. How many full cookies will each kid get at the most?

$$4\overline{)47}\quad 11,\ -4,\ 07,\ -4,\ 3$$

11 cookies

Mom divides 50 cookies among her 4 kids equally. If each kids get all full cookies, how many cookies will be left over with mom?

$$4\overline{)50}\quad 12,\ -4,\ 10,\ -8,\ 2$$

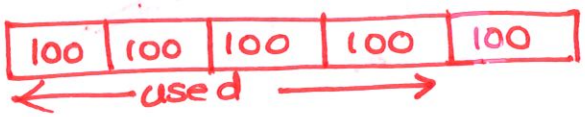
2 cookies

13) A packet of bread had 18 slices. If 1/3rd of the packet was used today, how many slices of bread are left in the packet?

18 → $\frac{1}{3} \times 18$ → 6 + 6 + 6 = 6 used

12 Slices

A bag contained 500 pieces of candy. If 4/5th candy pieces were distributed during Halloween, how many pieces of candy are left over?



100 Candies

14) Today is August 17th, 2019.
Rahul's doctor's appointment is 10 days from today.
What is the date of the appointment?

Aug 17 + 10 days
= Aug 27th

Aug 27th, 2019

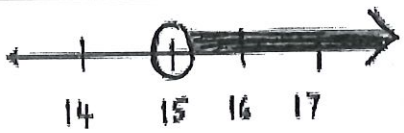
Amanda went on a vacation from April 25th, 2019 to May 7th, 2019. How long was she on vacation?

April 25th } 6 days
April 30th }
+
May 1st } 7 days
May 7th }

13 days

15) Circle the correct answer for the inequality shown below

- Less than & equal to 12
- Less than 12
- Greater than & equal to 12
- Greater than 12

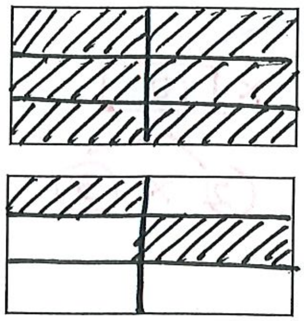


- Less than & equal to 15
- Less than 15
- Greater than & equal to 15
- Greater than 15

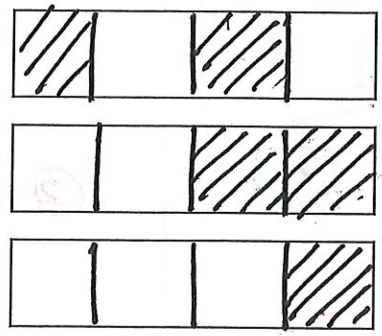
- Less than & equal to 9
- Less than 9
- Greater than & equal to 9
- Greater than 9

4/10 - Pg (4)

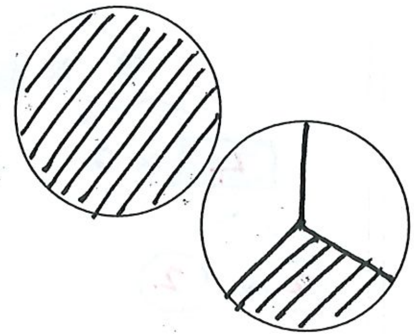
16) What fraction is shaded?



$1\frac{2}{6}$ OR $1\frac{1}{3}$



$\frac{5}{12} = \frac{5}{12}$



$1\frac{1}{3} = \frac{4}{3}$

17) Write the mulitples of 7 between 60 and 90.
(Use only the needed number of boxes)

63	70	77	84
–	–	–	–
–	–	–	–

Circle the numbers that are divisible by 5?

425	780	625	240
487	1000	505	194
789	401	307	636

18) Write the mulitples of 4 from 60 to 80.
(Use only the needed number of boxes)

60	64	68	72
76	80	–	–
–	–	–	–

Circle the numbers that are divisible by 2?

425	780	625	240
487	1000	505	194
789	401	307	636

19) What number should be added to 49 to make it the largest 2 digit counting number?

99 = 49 + ☐

50

What number should be added to the smallest 2 digit counting number to make it the largest 2 digit counting number?

10 + ☐ = 99

89

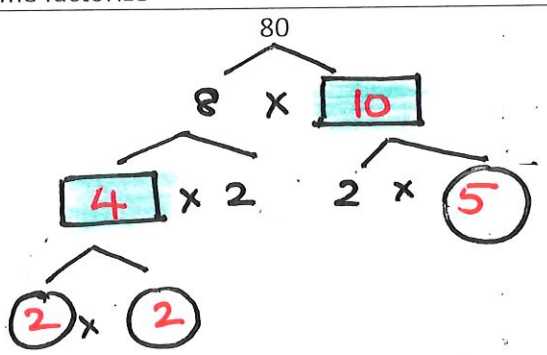
20) Find the value of

984-147	Square of 15	$10 * 5 * 10 * 5$	$85 - 14 - 14$
984 − 147	15 × 15	50 × 50 = 2500	71 − 14; 71 − 14 = 57
837	225	2,500	57

4/10 - Pg 5

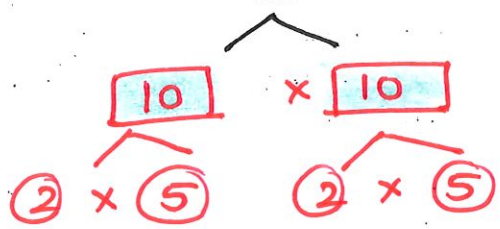
21) Prime factorize

80



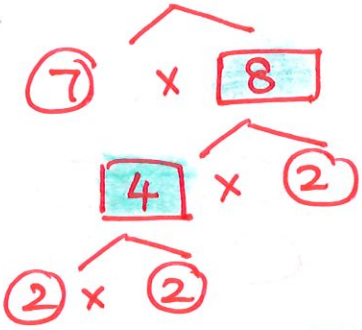
80 = 2x2x2x2x5

100



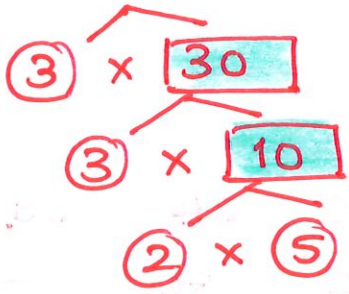
100 = 2x2x5x5

56



56 = 2x2x2x7

90



90 = 2x3x3x5

22) Round off to the nearest 10's place

487	879	1007	1532	7891	999
490	880	1010	1,530	7,890	1,000

Round off to the nearest 100's place

457	679	1077	1334	7841	969
500	700	1,100	1,300	7,800	1,000

Round off to the nearest 1000's place

4873	8759	4038	1535	7890	9996
5,000	9,000	4,000	2,000	8,000	10,000

23) Round off the given number to the nearest tens place

5, 987	45, 903	99,004	99, 605
5,990	45,900	99,000	99,610

24) Round off the given number to the nearest hundreds place

5, 915	45, 973	99,804	39, 675
5,900	46,000	99,800	39,700

4/10 - Pg 6

25) Round off the given number to the nearest thousands place

565, 915	415, 973	849,178	439, 656
566,000	416,000	849,000	440,000

26) Solve the following

543 * 91

$$\begin{array}{r} 543 \\ \times\ 91 \\ \hline 1\ 543 \\ +4\ 887\ \otimes \\ \hline 49\ 413 \end{array}$$

49,413

854 * 35

$$\begin{array}{r} 854 \\ \times\ 35 \\ \hline 4\ 270 \\ +2\ 562\ \otimes \\ \hline 29\ 890 \end{array}$$

29,890

635 * 45

$$\begin{array}{r} 635 \\ \times\ 45 \\ \hline 3\ 175 \\ +2\ 540\ \otimes \\ \hline 28\ 575 \end{array}$$

28,575

4002 * 21

$$\begin{array}{r} 4002 \\ \times\ 21 \\ \hline 4002 \\ +8\ 004\ \otimes \\ \hline 84042 \end{array}$$

84,042

5,456 * 30

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 5456 \\ \times\ 3 \\ \hline 16368 \end{array}$$

Add 0 ← digit

163,680

9,450 * 80

$$\begin{array}{r} 945 \\ \times\ 8 \\ \hline 7560 \end{array}$$

756,000

4/10-Pg (7)

	1 4 4 129.08 x 5 645.40	7 419.38 x 9 3774.42

27) Solve the following

524,136 – 87,125 4 11 14 5 2 4, 1 3 6 – 87, 1 2 5 437, 0 11 437,011	524,136 + 87,125 524, 136 + 87, 125 611, 261 611,261	54,006 * 6 54006 x 6 324,036 324,036
700,008 – 197,999 6 9 9 9 9 18 7 0 0, 0 0 8 – 197, 999 502, 009 502,009	70,008 + 197,999 1 1 1 70, 008 +197, 999 268 007 268,007	19807 * 10 19807 x 1 19807 198070

28) Solve the following

1 1 7,018 + 37,196 + 4,413 48,627	6 10 9 16 57.106 – 4.499 52.607	1 1 1 1 44.9990 + 06.0127 51.0117
36.1 – 4.56 3 5 0 10 3 6 . 1 0 – 04.56 31.54 31.54	36.18 + 4.56 1 1 36.18 + 4.56 40.74 40.74	14.87 * 5 1487 x 5 7435 74.35

4/10-Pg (8)

29) Fill in the blank spaces

1)	28 + 14 + 19 = 14 + 19 + 28	28 − 14 + 19 = 19 + 28 − 14
2)	90 + 0 + 7 = 97	90 − 1 + 7 = 96
3)	(31 + 7) + 5 = 31 + (7 + 5)	(3 * 7) * 5 = 3 * (7 * 5)
4)	15 − 15 = 0	35 * 1 = 35
5)	35 − 0 = 35	35 ÷ 1 = 35
6)	145 * 7 = 1,015	303 * 8 = 2,424
7)	694 * 2 = 1,388	507 * 9 = 4,563
8)	0.6 * 10 = 6	0.6 * 100 = 60
9)	0.54 * 10 = 5.4	0.54 * 100 = 54
10)	1.32 * 10 = 13.2	1.32 * 100 = 132
11)	3.5357 * 100 = 353.57	3.5357 * 1000 = 3535.7
12)	70,000 ÷ 10 = 7,000	70,000 ÷ 100 = 700
13)	70,000 ÷ 1000 = 70	70,000 ÷ 70,000 = 1
14)	70,000 ÷ 7 = 10,000	70,000 ÷ 70 = 1000
15)	420 ÷ 2 = 210	420 ÷ 20 = 21
16)	450 ÷ 5 = 90	450 ÷ 50 = 9
17)	370 * 20 = 7,400	150 * 30 = 4,500
18)	48,000 − 3 = 47,997	48,000 − 30 = 47,970
19)	48,000 * 1 = 48,000	48,000 ÷ 1 = 48,000
20)	800 * 31 = 24,800	403 * 9 = 3,627
21)	612 * 4 = 2,448	478 * 3 = 1,434

47 − 14 = 33

145 × 7 = 1015

694 × 2 = 1388

303 × 8 = 2424

507 × 9 = 4563

478 × 3 = 1434

2 | 420

37 × 2 = 74

31 × 8 = 248

612 × 4 = 2448

403 × 9 = 3627

4/10 - Pg (9)

30) Answer the following

1) Laura is 5 years older than Anna. Two years ago, Anna was 7 years old. How old is Laura now? Anna's present = 9 years Laura = 9+5	14 Years
2) The sum of the ages of Ben, Jen and Ken is 40 years. If Ben is 14 years old and Ken is 20 years old, how old is Jen in years? 40 − 34	6 Years
3) Ken's sister is nine years older than Ken. If the sister's present age is 25 years, how old is Ken? 25 − 9	16 Years
4) Ben's father is three times as old as Ben. If the father's present age is 45 years, how old is Ben? 45 ÷ 3	15 Years
5) How long was the travel time if the start time is 7:35 am and end time is 12:15 pm?	4 hours 40 min
6) 3 *hours* 25 *minutes* = ? *minutes* 3×60 + 25 = 180 + 25	205 min
7) \$5.70 = ? *dimes* = 570 cents	57 dimes
8) \$5.25 = ? *quarters* 1 dollar = 4 quarters 5 dollars = 20 quarters	21 quarters
9) \$5.25 = ? *nickels* 20 Nickels = 1 \$ 5 dollars = 20×5 = 105	105 nickels
10) 20 *pennies* + 20 *dimes* + 20 *quarters* = \$____ 20 + 20×10 + 20×25 = 20 + 200 + 500	\$ 7.20
11) 9 *dollars* − 20 *dimes* − 4 *pennies* = \$____ 900 − 20×10 − 4×1 = 900 − 200 − 4	\$ 6.96
12) What is the product of 30 and 400? 30×400	12,000
13) If 1 book costs \$ 4.05, what is the cost of 3 such books? 4.05 + 4.05 + 4.05	\$ 12.15
14) What is the difference between one thousand and four hunderd ninety? 1000 − 490	510
15) What is the sum of the mulitples of 7 between 10 and 30 14 + 21 + 28 = 50 + 13	63
16) What is the sum of all the factors of 13? 1×13 = 13 1+13	14
17) What is the remainder if 3000 is divided by 10? 3000 ÷ 10 = 300	Remainder 0
18) One fifth of a dollar = ? pennies $\frac{1}{5} \times 100 = 5\overline{)100}$ = 20	20 pennies

4/10-Pg (10)

19) One tenth of a dollar = ? pennies 100 ÷ 10	10 pennies
20) What is the smallest number that is divisible by 5 and 7 ? 5 × 7	35
21) What is the smallest number that is divisible by 4 and 6 ? 4 × 6 = 24 24 ÷ 2 = 12	12
22) What is the smallest number that is divisible by 2, 3 and 5 ? 2 × 3 × 5	30
23) If the product of two counting numbers is the same as the number, what is the number? 1 × 1	1
24) The total amount of water a bowl can hold is 10 cups. How many cups water is in a bowl if it is 1/5th full? 5 ⟌ 10	2 cups
25) The total amount of water a jug can hold is 4.6 cups. How many cups water is in a bowl if it is half full? 4.6 ÷ 2	2.3 cups
26) $3 * 3 * 3 * 3 =$ 9 × 9	81
27) *Square of* $14 = 14 * 14 =$ 196	196
28) What is the sum of the squares of 4 and 5? (4 × 4) + (5 × 5) = 16 + 25	41
29) How much time has elapsed from 5 pm to 11:15 pm?	6 hours 15 mins
30) How much time has elapsed from 4:30 pm to 11:00 pm?	6 hours 30 mins
31) How much time has elapsed from 2:10 am to 6:40 am?	4 hours 30 mins
32) What is the sum of odd numbers from 20 to 30 ? 21 + 23 + 25 + 27 + 29 = 100 + 25	125
33) What is the sum of even numbers from 20 to 30 ? 20 + 22 + 24 + 26 + 28 + 30	150
34) What is the predecessor of 45,000?	44,999
35) What is the sucessor of 45,000?	45,001
36) What is the odd number sucessor of 567?	569
37) What is the even number sucessor of 567?	568
38) What is the odd number sucessor of 100?	101

4/10 - Pg (11)

31) Choose the correct answer.

1) The place value of 5 in the number 15,876 is 5000 (5000 / 1000)

2) 5 is in the 1000's place in the number 15,876 (5000 / 1000)

3) 64 is a multiple of 8 but not a multiple of 10. (80 / 64/ 30)

4) 80 is a multiple of 8 and also a multiple of 10. (80 / 64/ 30)

5) 25 is a multiple of 5 but not a multiple of 3. (60 / 25/ 30)

6) 12 is a multiple of 3 but not a multiple of 5. (12 / 25/ 30)

7) 30 is a multiple of 5 and also multiple of 3. (20 / 25/ 30)

8) 4 is a factor of 8 and also a factor of 12. (3 , 4, 5)

9) 6 is a factor of 18 and also a factor of 12. (10 , 8, 6)

10) 10 is a factor of 20 and also a factor of 30. (10 , 8, 6)

11) 6 is neither a factor of 25 nor a factor of 20. (2, 5, 6)

12) 3 is afactor of 15 but not a factor of 20. (3, 5, 6)

13) 24 is divisble completely by 3 and also 8 (33, 88, 24)

14) 33 is completely divisible by 3 but not completely divisible by 8 (33, 88, 24)

15) 88 is completely divisible by 8 but not completely divisible by 3 (33, 88, 24)

32) Prime numbers are only completely divisible by themselves and one. Circle all the prime numbers below

1	(2)	(3)	4	(5)	6	(7)	8	9	10
(11)	12	(13)	14	15	16	(17)	18	(19)	20
21	22	(23)	24	25	26	27	28	(29)	30
(31)	32	33	34	35	36	(37)	38	39	40
(41)	42	(43)	44	45	46	(47)	48	49	50

4/10 - Pg (12)

33) Laura needs to practice a total time of 5 hours per week for her swim meet. She practices for 60 minutes each day on Weekdays (Mon- Fri). How many minutes does she need to practice on Saturday if she practices for the same amount of time on both Saturday and Sunday?

60
× 5
300 min

5 Hours
= 5 × 60
= 300 min

0 minutes

Ann is flying from Seattle to New York with one stop over in Chicago. The total time of her flight is 10 hours. Her first segment of the flight was 4 hours 15 minutes and the second segment was 4 hours 10 minutes. How long was her stopover in Chicago in minutes?

4 Hrs 15 min | STOP OVER | 4 Hrs 10 min

← 8 Hrs 25 min →

10 Hrs − 8 Hrs 25 min
= 1 Hour 35 min

95 mins

34) Circle all the factors of the given number.

20

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

30

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

36

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

24

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

35)

The greatest 3-digit even number formed using the digits 4, 3 and 5 if all the digits are used only once. **534**	The greatest 3-digit odd number formed using the digits 4, 3 and 5 if all the digits are used only once. **543**	The smallest 3-digit even number formed using the digits 4, 3 and 5 if all the digits are used only once. **354**	The smallest 3-digit even number formed using the digits 4, 3 and 1 if all the digits are used only once. **134**
The greatest 3-digit even number formed using the digits 6, 3 and 2 if all the digits are used only once. **632**	The greatest 3-digit odd number formed using the digits 6, 3 and 2 if all the digits are used only once. **263**	The smallest 3-digit even number formed using the digits 6, 3 and 2 if all the digits are used only once. **236**	The smallest 3-digit even number formed using the digits 6, 3 and 7 if all the digits are used only once. **376**

4/10 - Pg (13)

36) Divide

$7\overline{)4628}$ = 661

-42↓
42
-42
08
-7
1

Q	661
R	1

$8\overline{)3000}$ = 375

-24↓
60
-56
40
-40
0

Q	375
R	0

$6\overline{)5704}$ = 950

-54↓
30
-30
04
-0
4

Q	950
R	4

$2\overline{)5900}$ = 2950

-4↓
19
-18
10
-10
00
-0
0

Q	2950
R	0

$5\overline{)3505}$ = 701

-35↓
00
-0
05
-5
0

Q	701
R	0

$4\overline{)1904}$ = 476

-16↓
30
-28
24
-24
0

Q	476
R	0

4/10-Pg (14)

37) Complete the pattern table

Rule used: +12

24	36	48	60	72	84	96

Rule used: Take Last digit off

90000000	9000000	900000	90,000	9,000	900	90

Rule used: digits reversed

52	25	43	34	16	61

Rule used: Skip 2 letters of the alphabet

A	D	G	J	M	P	S

Rule used: take away 111

999	888	777	666	555	444	333

Rule used: Add 4

40	44	48	52	56	60	64

Rule used: 8 replaces 1 and go up to 10

21	28	31	38	41	48	51	58

38) Write in exponential notation

$4 * 4 * 4 * 4 * 4 = 4^5$	$10 * 10 = (10)^2$
$7 * 7 * 7 * 7 * 7 * 7 * 7 = (7)^7$	$10 * 10 * 10 * 10 = (10)^4$

39) Write in words

147,654 = One hundred forty seven thousand six hundred fifty four

78,106,350 = Seventy eight million one hundred six thousand three hundred fifty.

4/10 - Pg (15)

40) Write in expanded form

18,074 =

$10{,}000 + 8{,}000 + 70 + 4$

43,325 =

$40{,}000 + 3{,}000 + 300 + 20 + 5$

147,602 =

$100{,}000 + 40{,}000 + 7{,}000 + 600 + 2$

41) Write in expanded form as fractions

14.25 =

$10 + 4 + \frac{2}{10} + \frac{5}{100}$

3.127 =

$3 + \frac{1}{10} + \frac{2}{100} + \frac{7}{1000}$

9.604 =

$9 + \frac{6}{10} + \frac{4}{1000}$

0.874 =

$0 + \frac{8}{10} + \frac{7}{100} + \frac{4}{1000}$

42) Complete the input/ output box using the rule

Add 5 to x to get y

x	67	38	19	195
y	72	43	24	200

Take away 3 from a to get b

a	45	370	900	89
b	42	367	897	86

43) State the rule used in the given input/ output table

Input	10	13	4
Output	7	10	1

Rule: Take away 3 from input to get output

Input	4	5	7
Output	28	35	49

Rule: Multiply input with 7 to go output.

4/10-Pg (16)

44) Reduce the given fractions

$\frac{45 \div 5}{50 \div 5} = \frac{9}{10}$

$\frac{20 \div 10}{50 \div 10} = \frac{2}{5}$

$\frac{18 \div 9}{81 \div 9} = \frac{2}{9}$

$\frac{16 \div 8}{24 \div 8} = \frac{2}{3}$

$\frac{20 \div 20}{100 \div 20} = \frac{1}{5}$

$\frac{14 \div 14}{28 \div 14} = \frac{1}{2}$

45) Claire has 660 pennies. She wants to divide them equally into 5 groups. How many pennies will be in each group?

$5\overline{)660}$

$-5\downarrow$

16

$-15\downarrow$

10

-10

0

132 Pennies

If 520 pounds of sugar has to be stored in 10 bags equally. How much sugar in pounds will each bag contain?

$10\overline{)520}$

$-50\downarrow$

20

-20

0

52 Pounds

If $400 have to be distributed equally among 8 kids, how much money will each kid have in dollars?

$8\overline{)400}$

$-40\downarrow$

00

-0

0

$ 50

46) 157* 411

$$\begin{array}{r} 157 \\ \times 411 \\ \hline 157 \\ 1570\otimes \\ +6280\otimes\otimes \\ \hline 64,527 \end{array}$$

64,527

361* 478

$$\begin{array}{r} 361 \\ \times 478 \\ \hline 2888 \\ 25270\otimes \\ 144400\otimes\otimes \\ \hline 172558 \end{array}$$

172,558

4/10 - Pg (17)

47) Sam is 9 years old. Sue's grandfather is 45 years old. Sam's grandfather is how many times as old as Sam?

$9 \times 5 = 45$

5 times

Katie saved $20 to purchase her dress. Her mother spent 9 times as much money to buy her new dress. How much did her mother's dress cost?

$20 \times 9 = 180$

$ 180

48) For the bake sale, Connie baked 198 cookies. Esther baked 38 more cookies than Connie. What is the total number of cookies baked in all?

$198 + 38 = 236$ Esther

$236 + 198 = 434$

434 cookies

24,909 people attended the concert in July. 18,599 more people attended the concert in August. How many people attended the concert in the two months?

$24\,909 + 18\,599 = 43\,508$

43,508 people

49) Fill in the blanks

1) 10 times as many as 5 tens are five hundred. 10×5 tens $= 500$

2) 4 thousands are the same as 40 hundred.

3) 10 times as much as 15 is 150. $10 \times 15 = 150$

4) 800 is 100 times as much as 8. $800 = 100 \times \square$

5) 10 times as much as 14 is 140. $10 \times 14 = \square$

6) 700 is 10 times as much as 70. $700 = 10 \times \square$

7) 7,000 is 10 as 700. $7000 = \square \times 700$

8) 9,000 is 100 as 90. $9000 = \square \times 90$

9) 10 times as many as 5 hundred is 5 thousands. 10×5 Hundred $= 5000$

10) 10 times 6 hundred is 6 thousand. $\square \times 600 = 6000$

11) 40 hundreds are the same as 4 thousand. $\square \times 100 = 4000$

12) 600 thousands + 300 thousands = 900 thousands

4/10 - Pg 18

1	What number is exactly halfway between 8,000 and 9,000? 8,500	What number is exactly halfway between 20,000 and 30,000? 25,000	What number is thirty seven less than a thousand? 9 9 10 ~~1000~~ − 37 963
2	A number has the digits 6 and 7. When rounded to the nearest tens place, it becomes 80. What is the number? 76	A number has the digits 6 and 7. When rounded to the nearest tens place, it becomes 70. What is the number? 67	A number has the digits 8 and 4. When rounded to the nearest tens place, it becomes 80. What is the number? 84
3	What is the perfect square of 11? 11 x 11 = 121	Which number is nineteen more than two thousand forty-six? 2046 + 19 2065	What time will it be 15 minutes before quarter to five? = 4:45 − 15 min 4:30
4	What time will it be 20 minutes after quarter past nine? 9:15 + 20 min 9:35	What time was it 20 minutes before quarter past nine? 9:15 − 20 min 8:55	What time will it be 15 minutes before quarter to eight? 7:45 −15 min 7:30
5	Write the number that comes immediately before eighty thousand. 80,000 − 1 79,999	Write the number that comes immediately after eighty thousand. 80,000 + 1 80,001	What is the difference between five thousand and five hundred. 4 18 ~~5~~ ~~0~~ 0 0 − 500 4500 4500
6	Write the matching decimal		

Seven and thirty- two hundredth 7.32	Two and seven tenth 2.7	Two and seven hundredth 2.07
Ninety and forty- five hundredth 90.45	Sixty and five tenth 60.5	Twelve and nine hundredth 12.09

4/10 - Pg (19)

1	7 Km = 7000 m 7 X 1000	400 m = 40,000 cm 400 X 100 400 x 100	400 cm = 4 m 400 ÷ 100
2	72.34 Km = 72340 m 72.34 X 1000 = 72340	6.87 km = 6870 m 6.87 X 1000 = 6870	3.55 cm = 35.5 mm 3.55 X 10 = 35.5
3	8800 m = 880,000 cm 8800 X 100 880,000	19,000 m = 19 km 19000 ÷ 1000 = 19	2,700 cm = 27 m 2700 ÷ 100 = 27
4	A hotel has 904 rooms spread over 4 floors. How many rooms on each floor? 226 4)904 -8 10 -8 24 -24 0	If 1463 apples are packed equally in 7 boxes, how many apples will be in each box? 209 7)1463 -14 06 -0 63 -63 0	$3600 is distributed equally among 6 partners. How much money does each partner get? 600 6)3600 -36 00 -0 00 -0 0
	226 rooms	209 apples	$ 600

4/10 - Pg 20