Warm-Up 1.4.05

1. 0.0555, 0.7, 0.75, 0.75, 0.750

2.

x	y
5	19
6	22
7	25
8	28
9	31
10	34
11	37

3.
```
   247
 x  31
   247
  7410
  7657
```

4.
```
  198,078
 -  9979
  188075
```

My strategy for winning the game "Fill two," is ~~by~~ getting small numbers. I like using numbers like 2, 3, 4 rather than 7, 8, 9. My biggest strategy is by always trying to take cards my opponent needs. That way, even if I don't have good cards they don't either.

My stategy is same as yesterday.
~~Shinn~~) Shinei

I tryed to get smaller numbers first and fill the rest with larger numbers. It may have been better to start with mid numbers and fill the rest with smaller numbers.

I started with mid numbers and it worked better. Paying attention to what the oponent is doing also help to win. Shinei

Warm-Up

1.10.05

① 1,343,048
- 97,249
1,245,849

③ 327
×24
1308
6540
7848

④ 8 | 14
9 | 16
(x)/2=y

② 1.0299, 1.049, 1.04, 1.40, 1.49

2. 100 ÷ 5 = 20
10 ÷ 5 = 2
1 ÷ 5 = .2

3. 400 ÷ 8 = 50
40 ÷ 8 = 5
4 ÷ 8 = .5

4. 500 ÷ 2 = 250
50 ÷ 2 = 25
5 ÷ 2 = 2.5

5. 300 ÷ 5 = 60
30 ÷ 5 = 6
3 ÷ 5 = .6

6. 160 ÷ 4 = 40
16 ÷ 4 = 4
1.6 ÷ 4 = .4

7. 1500 ÷ 6 = 250
150 ÷ 6 = 25
15 ÷ 6 = 2.5

8. 400 ÷ 5 = 80
40 ÷ 5 = 8
4 ÷ 5 = .8

9. 2000 ÷ 8 = 250
200 ÷ 8 = 25
20 ÷ 8 = 2.5

10. 1000 ÷ 8 = 125
100 ÷ 8 = 12.5
10 ÷ 8 = 1.25

11. 10,000 ÷ 25 = 400
1000 ÷ 25 = 40
100 ÷ 25 = 4
10 ÷ 25 = .4

12. 28000 ÷ 40 = 700
2800 ÷ 40 = 70
280 ÷ 40 = 7
28 ÷ 40 = .7

13. 2000 ÷ 8 = 250
200 ÷ 8 = 25
20 ÷ 8 = 2.5
2 ÷ 8 = .25

14. check | 15. check | 16. check | 17. 5600 ÷ 7 = 800

18. more | 300 ÷ 50 = 6 | 19. because you could use dollars | 20. 500 miles

1. 480 ÷ 6 = 80, 300 ÷ 15 = 20, 48 ÷ 6 = 8

2. 13,042
− 978
12064

(3x − 4)3 = y

3.

x	y
6	66
7	75
8	84

1. $12 \div 3 = 4$
2. $10 \div 5 = 2$
3. $88 \div 11 = 8$
4. $63 \div 7 = 9$
5. $18 \div 6 = 3$
6. $36 \div 9 = 4$
7. $72 \div 12 = 6$
8. $72 \div 9 = 8$
9. $28 \div 4 = 7$
10. $60 \div 5 = 12$
11. $90 \div 9 = 10$
12. $25 \div 5 = 5$
13. 70, 700
14. 5.80, 5.800
15. 7.230, 7.2300
16. 3.040, 3.0400
17. 190, 1900
18. 2.940, 2.9400
19. 6.40, 6.400
20. 0.40, 0.400
21. 220, 2200
22. 0.70, 0.700
23. 0.620, 0.6200
24. 0.090, 0.0900
25. $3\overline{)10.2}$ → 3.4
26. $5\overline{)81.5}$ → 16.3
27. $23\overline{)190.9}$ → 8.3
28. $4\overline{)2.64}$ → 0.66
29. $4\overline{)22.4}$ → 5.6
30. $9\overline{)81}$ → 9
31. $39\overline{)255.6}$ → 6.6
32. $62\overline{)279.0}$ → 4.5
33. $6\overline{)4.38}$ → 0.73, −0.42, 18, −18
34. $8\overline{)20.64}$ → 2.58, −16, 46, −40, 64, −64
35. 176.58 → .99, −62, 28, −27, 18
36. $4\overline{)9.2}$ → 2.3, −8, 12
37. $6\overline{)26.75}$ → 4.35, −24, 29, −24, 55
38. $4\overline{)3.16}$ → .79, −28, 36
39. $9\overline{)1.08}$ → .92, −9, 18
40. $5\overline{)315.20}$ → 63.04, −30, 15, −15, 02

1. $24\overline{)16.000}$ → .666 (−14.4, 1.60, −1.44, 16)

$9\overline{)3.00}$ → .75 (−2.7, 30, 20)

$100\overline{)10.0}$ → .1

$28\overline{)7.0}$ → .25 (−5.6, 1.40)

$24\overline{)12.0}$ → .5

2. $13.29 \times 5 = 66.25$

$.013 \times .12$ = 026, 013, .00156

$1.32 \times .05 = .0660$

3. $80,952 - 8,313 = 82,098$

$17,243,129 \times 29,705 = 512,272,834$

4th. $6\overline{)295}$ → 49.5 (−24, 55, −54, 5)

$7\overline{)98}$ → 14 (−7, 28)

$9\overline{)295}$ → 27.2 (−18, 65, −63, 2)

$8\overline{)123}$ → 15.3 (−8, 43, −40, 3)

	tenths	hundredths	
1.	.0	9	.24
2.	.2	0	.54
3.	.3	0	.64
4.	.1	0	.89
5.	.2	0	.86
6.	.0	2	.82
7.	.0	6	.92
Total	.7	2	

8/6/13

16
x7
112

Warm Up

1. 7)10029 = 1432 r.5
-7
30
-28
22
-21
19
-14
5

2. 0.16)1.32560 = 8.285
-1.28
4.5
-3.2
1.36
-1.28
80
-80
0

3. .7)1.05 = 1.5
-7
3.5

1. 9)1.7890 = .1987
-9
.88
.81
79
-72
70

2. .15).32160 = 2.144
-30
21
-15
66
60

3. 8).1900 = .2375
-16
30
-24
60
56

4. .05).455 = 9.1
-45
05

650
× 3
1950

575
× 5
$28.75

59
× 6
354

Warm-Up
Ground Hog Day 05

1. 2)1.0 = .5
4)3.0 = .75
120)10.0 = .08
1000)17.00 = .017
2)12.0
2. 17.28 × .05 = 86.20
0.86.20
3.
(pg. 244)

59)354

125
× 15
625
1250
63.75 (1875)

1. whole number
2. quotient
3. multiplication
4. 17, .17
5. 72, .03
6. 7.0, .70
7. n=7
8. n=3
9. n=.03
10. 9
11. 5
12. 3.4
13. 1.7
14. 5.7
15. .45
16. .23
17. 52.2
18. 320
20. 19
21. 12
23. 63.75
24. 6

4.6)0.138 = .038
6)204 = 34

46
× 8
368

.03)1.566 = 52.2
99)1683 = 17
46)1320
.025)8000. = 320.
4.5)54.0 = 12.
1854
−1687
267
32)182.4 = 5.7
2.5)5.105

32
× 5
160

1.9)1.05 = .45

Warm-Up

	x	y
1.	1	5
	2	9
	3	13
	4	17

2.

9)273 = 30 r3

3.

1.3)32.1000000 = 24.6923070

-26
61
-52
90
-78
120
-117
30
-26
40
-39
100
-91
90

1731
+17
3462
17310
20772

13 × 6 = 78

13 × 27 = 91

1. 24 = 1, 24, 2, 12, 3, 8, 4, 6

6 | 16 = 1, 16, 2, 8, 4 | 15 = 1,

15, 35

2. .09)13.70 = 152.2222222

-9
47
-45
20
18

3. 1.08)900.00 = 8.33333

-864
360
-324
360

108 × 8 = 864

2 if last digit is even | 324

3 if sum of digits is divisible by 3

① A number is divisible by ② if the last digit is even
Yes [364] No [723]

② A number is divisible by ③ if the sum of the digits are divisible by 3 Yes [246] No [737]

③ A number is divisible by ④ if the last 2 digits form a number divisible by 4 Yes [316] No [789]

④ A number is divisible by ⑤ if the last digit is 0 or 5
Yes [675] No [557]

⑤ A number is divisible by ⑥ if it is divisible by 2 and 3
Yes [132]

⑥ A number is divisible by ⑨ if the sum of the digits are divisible by 9 [7938] Yes [1,234] No

⑦ A number is divisible by ⑩ if the last digit is 0 Yes [410] No [7,638]

254

2. 2, 5, 10
4. 5, 6
6. 9, 3
8. 5, 9
10. 10, 2
12. 2, 4
14. 3,
16. 4, 2, 3, 6
18. 4, 2
20. 4, 2, 5
22. no
24. yes
26. no

28. false, it would have to be 3 into 9
30. false, 6 ÷ 9 = 1 r2 it's vice versa
32. no, add 1 + 1 + 8 = 10 − 9 = 1 which means
34. 30, you first know it's not 10 or 20 because of 3, so if you go to 30 it works. Then try 2 and 5, because they both fit.

Warm-Up 2.8.05
Mardi Gras

1. Tell me what a factor is.
- A factor is what numbers you use when you multiply for a number.
- You can have any number of factors to make a multiple.
- The factors 1 and X can make any number.

factor 3 × 8 = 24 = multiple
factor

2. Tell me what is a mutiple.
- A multiple is what you get when you multiply factors.
- You do not divide a multiple, you divide a dividend
- ~~You do not have to~~ A multiple uses/? multiplication. 8×8=64 ↑ mutiple

2
24
×6
144

1. 24)14.0 .6 0 / −14.4 / 1.60 | 4)3.00 .75 / −2.80 / .20 | 100)10.0 .1 | 28)7.00 .25 / −5.6 / 1.40 | 24)12.0 .5

2. 13.25 × 5 = 66.25 | .013 × .12 = 026 / 0130 / .00156 | 1.32 × .05 = .0660

3. 90,421 − 8,323 = 82,098 | 17,293,129 + 29,705 = 17,322,834

common multiples 25

2, 8 | 10, 5 | 10 | 25, 50, 75, 100

16 | ~~50~~ | 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

24 | ~~5~~ 5, 10, ~~15~~, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75

80, 85, 90, 95, 100

3 | 5, 10, 15 | 20, 25, 30

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42,

45, 48, ~~51~~, 54, 57, 60

1 | 5 | 2

35, 40, 45 | 50, ~~55~~, 60 | 2, 4, 6, 8, 10, 12, 14, 16, 18,

20, 22, 24, 26, 28

a. 14, b. 20 c. 8

d. 12 e. 6 f. 18

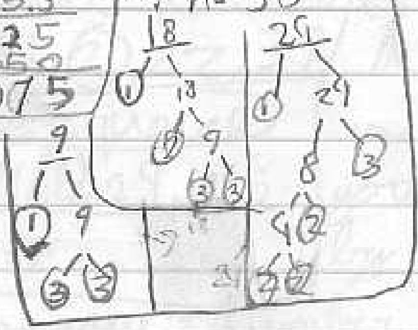
1.	4, 8, 12, 16, 20, 24	12	30
2.	5, 10, 15, 20, 25, 30	13.	32.075
3.	6, 12, 18, 24, 30, 36	14.	5.7 10.7 3.85
4.	8, 16, 24, 32, 40, 48	15.	<
5.	9, 18, 27, 36, 45, 54	16.	n = 56
6.	6	17.	B.
7.	21		
8.	18		
9.	60		
10.	40		
11.	24	~~3, 0~~	8, 3

Warm-Up

1. 3,7,21/2,8,10=40/5,10=10   7,14=14

2.
$$\begin{array}{r} 23.45 \\ \times\ 3.5 \\ \hline 11725 \\ 70350 \\ \hline 82.075 \end{array}$$

3. n=56



254

2. 32,1,2,16,8,4
~~3. 55,1,5,11,~~
4. 21,1,3,7
~~5. 45,1~~
6. 100,1,20,5,10,2,50
8. 42,1,2,21,7,6
10. 63,1,9,7
12. 1,2
14. 1,5,
16. 1,
18. 4,1,6,2
20. 1
22. 4
24. 3
26. 20,1,2,10,5,4
28. 28,1,7,4
30. 1,15,3,5
32. 1,31

34. 50,1,25,2,5,10
36. 1
38. 13,1,
40. 4,1
42. 7,1
44. 1,4
46. 3
48. 9
50. 3
52. 8
54. 2
56. 4
58. 7
60. 40

I am a prime.
11

circle the primes
1. (3), 1, (17), 21, (2), 22, 39
circle the squares
2. 3, 6, (9), 12, 19, (16), 29, 25
3. (17+9)-P+6=P

(29), 1, (8), 13, (17), (21), 19, 3, (10), (24), 6

A prime number is a number that you can get 1 only by multiplying 1 x V except for 1. A square number is what you get when you multiply a number by itself except for 1. A composite number is a number that you can get by multiplying 2 numbers other than 1 and itself.

Quick Review pg. 266

1. 10x1=10
2. 10x10=100
3. 10x10x10=1,000
4. 10x10x10x10=10,000
5. 10x10x10x10x10=100,000

Square number: A number multiplied by its
Exponent: It shows how many times the b
is a factor = of the power
Base: Is a number
with an exponent

$100 = 10 \times 10 = 10^2$

product, factor, factor, base, exponent

2. 10^2
3. 10^5
4. 10^4
5. 10^6
6. 10^7
7. 100
8. 10,000
9. 10
10. 100,000
11. 1,000
12. 10^3
13. 10^8
14. 10^9
15. 10^1
16. 1,000,000
17. 10,000,000
18. 10,000,000
19. 1,000,000,000
20. 10^3
21. $10 \times 10 \times 10 \times 10$

$10 \times 0 = 0$ or 10?

Warm Up

1. $8^4 = 8 \times 8 \times 8 \times 8$
2. $10^4 = 10{,}000$
3. $5^5 = 5 \times 5 \times 5 \times 5 \times 5$
4. $7^2 \times 7^1 = (7 \times 7) \times 7$

A^2 = squared | A^3 = cubed | A^4 = ?

Label this equation

$81 = 9 \times 9 = 9^2$ (product, factor, factor, base, exponent)

Equal factors of:

1. $64 = 8 \times 8$
2. $9^4 = 81 \times 81$
3. $6^3 = 6 \times 6 \times 6$

$49 = 7 \times 7$

27 | 40 | 630 | 360 | 360

Warm up

1. $2^5 = 32$
2. $12 \times 12 \times 12 = 12^3 = 1728$
3. $1.2 \overline{)32.1900} \rightarrow 26.75$
4. $24781{,}209.0 \rightarrow 8835$
5. $\frac{1}{10}, \frac{1}{8}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
6. $6.34 \times .17 = 581.91$
7. $1.5 \overline{)27{,}321.0} \rightarrow 2464.2$
8. $3^2 \times 2^2$
9. $\frac{36}{36} \rightarrow 1$

Make up and solve 9 of your own design

A little messy

1. $8^2 = 64$

2. $3 \times 3 \times 3 \times 3 = 3^4$

3. $1.5\overline{)280.5}$ = 187

4. $25\overline{)10,350}$ = 414

5. Write from largest to smallest: $\frac{1}{2}, \frac{1}{10}, \frac{3}{5}, \frac{1}{8}, \frac{1}{12}$

$\frac{3}{5}, \frac{1}{2}, \frac{1}{8}, \frac{1}{10}, \frac{1}{12}$

6. 84.2 × 31
842
25260
261.02

7. $5\overline{)16203.0}$ = 3240.6

8. 138 × 50
000
6900
6900

9. Write to prime factors
81

12 problems x2

1. $27\overline{)29,247}$ = 1083 r. 6

2. $8\overline{)63,248}$ = 7906

3. $6\overline{)275.550}$ = 45.891

4. Prime factors
55
(11) (5)

5. 54
6 9
(2)(3)(3)(3)

6. $2.3\overline{)28.120}$ = 12.35

7. $13 \times 13 \times 13 \times 13 \times 13 \times 13 = 13^6$

8. $\frac{25}{100}, \frac{35}{100}, \frac{7}{1000}$

(.25) (.35) (.007)

9. $7\overline{)423,914}$ = 60,559 r. 1

10. $6\overline{)519,321}$ = 86,553

11. $1.5\overline{)}$ [illegible]

12. $2 \times 8 = 64$

63
× 6
378

① 63)42391.00 = 672.87
−378
459
−441
181
−126
550
−504
460
−441
190
−63
27

1
63
× 6
378
+ 63
441

2. 1.3)14.23 = 10.94615 3
−13
12
−0
123
−117
60
−52
80
−78
20
−13
70
−65
50
−39
110

13
× 6
78

3. 13.25
× .16
7950
13250
2.1200

④ .8)32.040 = 40.05
−32
00
−0
04
−0
40

63)42391.00 = 672.87
−378
459
−441
181
−126
550
−504
460
−441
190

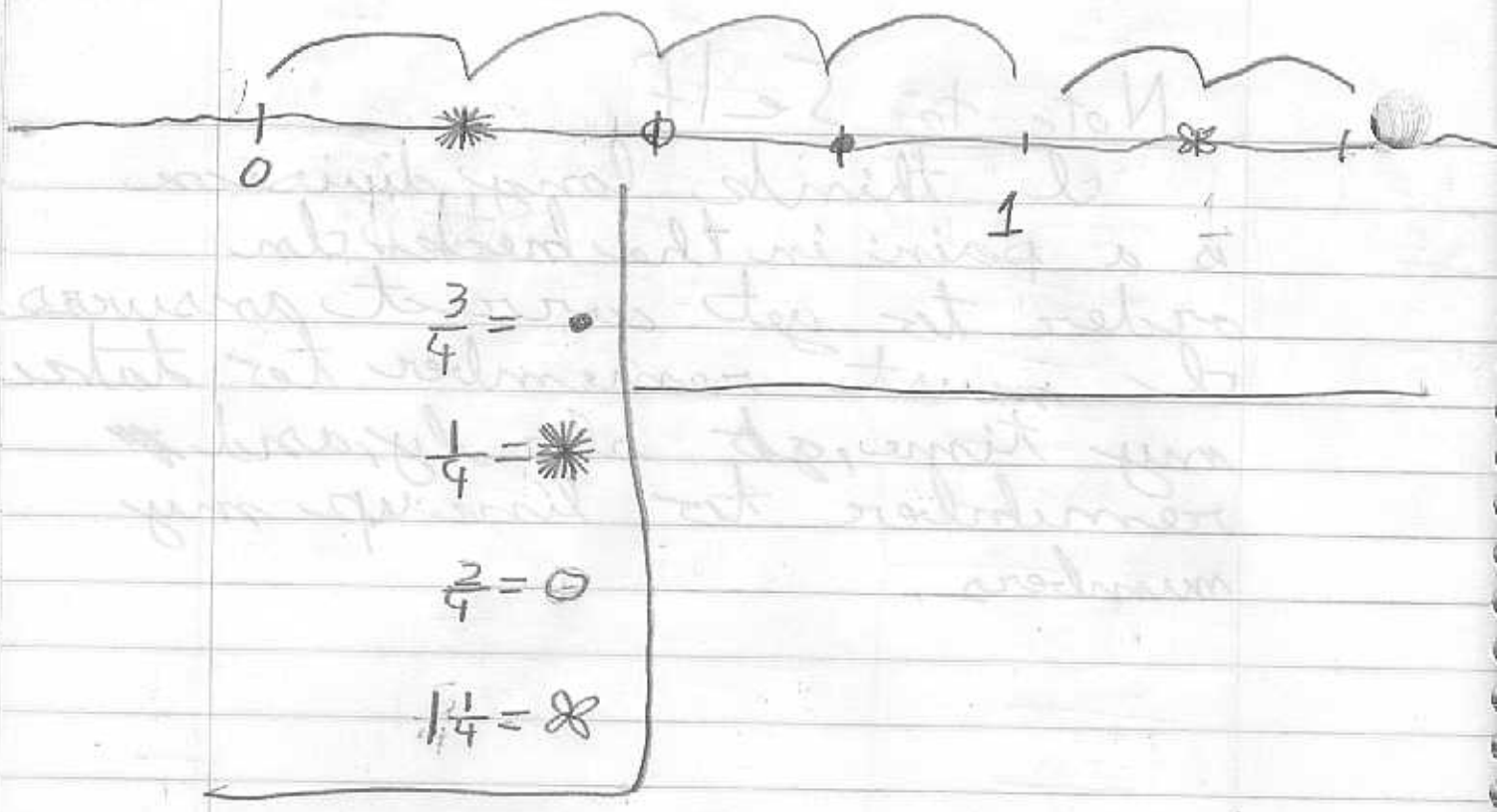
63
× 7
441

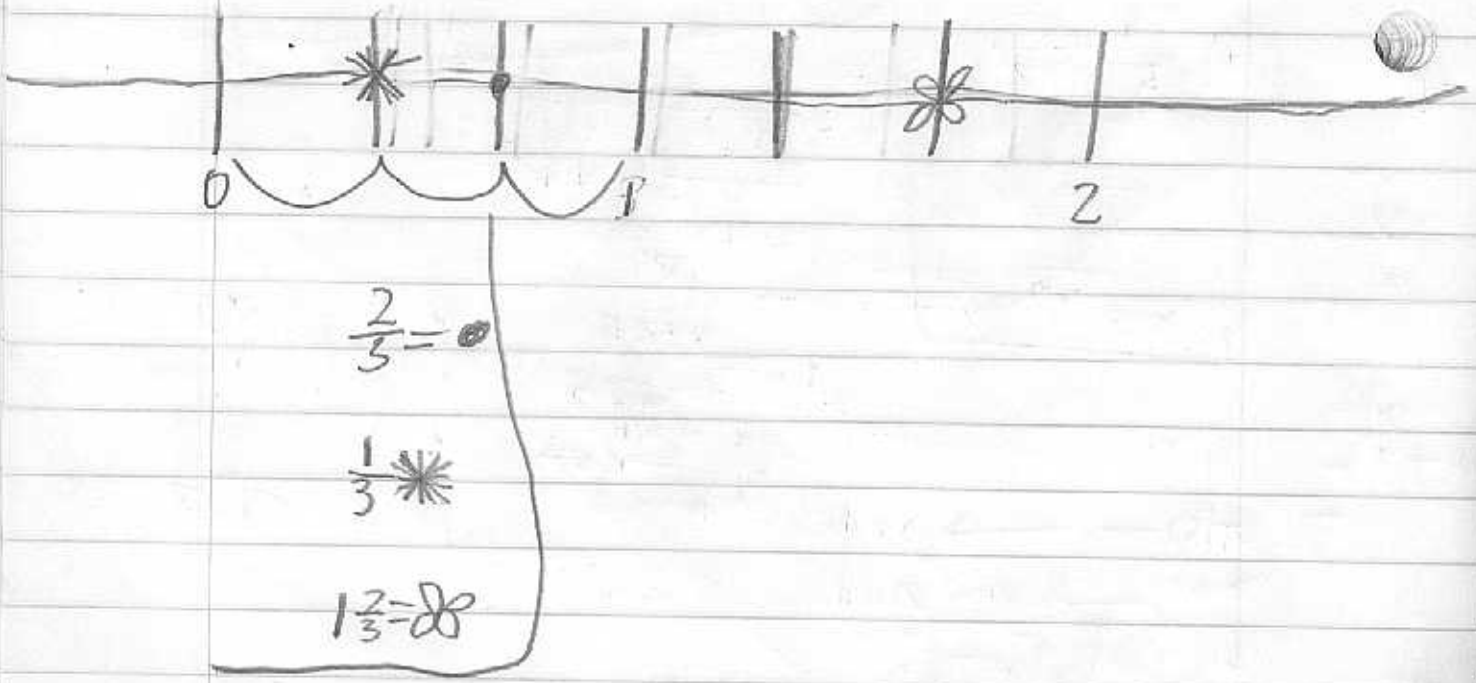
63
× 8
504

63
× 4
252

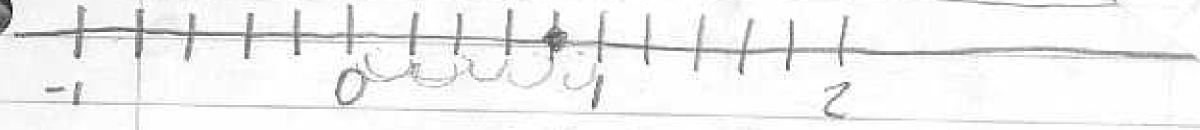
Note to Self

I think long division is a pain in the neck. In order to get correct answers I must remember to take my time, go slowly, and remember to line up my numbers.

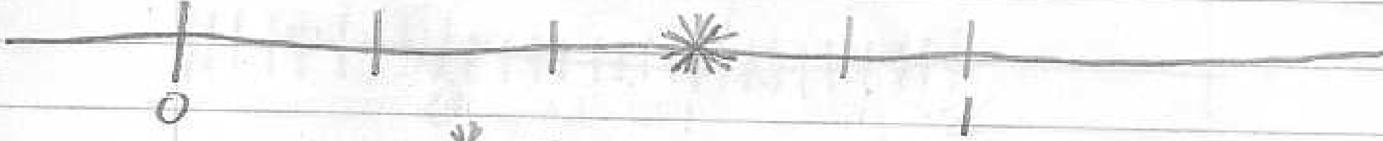

0
1
$\frac{3}{4}$ = •
$\frac{1}{4}$ = ✳
$\frac{2}{4}$ = ○
$1\frac{1}{4}$ = ✳


0
1
2
$\frac{2}{3}$ = ●
$\frac{1}{3}$ ✳
$1\frac{2}{3}$ = ✳

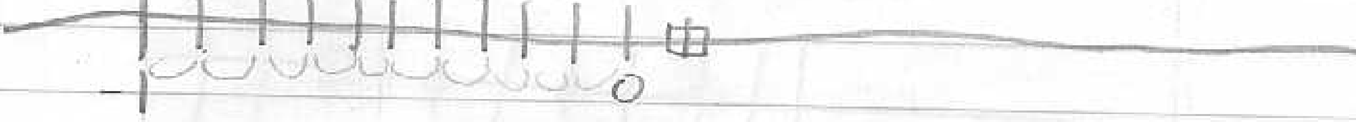
1. switch numurator and denomin[ator]
divide if it has a multiple of 10
denominator. if .563 3 is in thousa[nds]



• $= \frac{4}{5}$



* $= \frac{3}{5}$



□ $= \frac{1}{10}$

201
2. 0.6, $\frac{6}{10}$
4. 0.4, $\frac{4}{10}$
6. 0.8, $\frac{8}{10}$
8. .63 $\frac{63}{100}$
10. .425 = $\frac{425}{1000}$
12. $\frac{1}{100}$ = .01
14. $\frac{1}{5}$ = .2
16. $\frac{3}{8}$ = .375
18. 0.50 = $\frac{50}{100}$
20. .25 = $\frac{25}{100}$
22. $\frac{8}{10}$ = .8
24. .90 = $\frac{90}{100}$
26. .33 = $\frac{33}{100}$
28. $\frac{7}{10}$ = .7
30. $\frac{4}{5}$ = .80

125
8)1000
-8
20
-16
40

125
× 3
375

Example
$\frac{25}{100}$ = .25
$\frac{55}{100}$ = .55 $\frac{78}{100}$ = .78

$\frac{2}{10} \div \frac{2}{2} = \frac{1}{5}$

$\frac{4}{10} \div \frac{2}{2} = \frac{2}{5}$

Example $\frac{2}{5}$ = .40

$\frac{3}{5}$ = .60

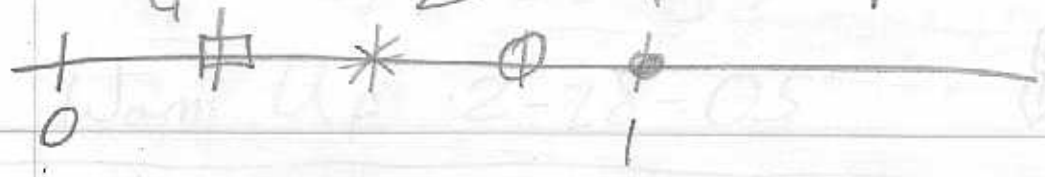
$\frac{4}{4}$ = 4)4.00
.400
-32
40

A. 0.375
$\frac{375}{1000}$

B. $\frac{3}{4}$ = .75
.75
4)3.00

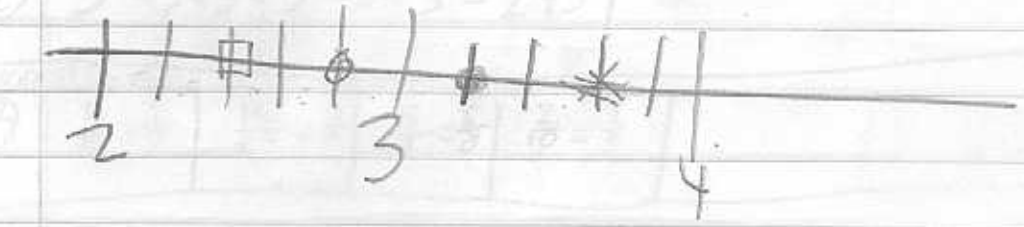
C. $\frac{5}{8}$ = .625
.625
8)5.000
-48
20
-16
40
-40
0

□ = $\frac{1}{4}$ * = $\frac{1}{2}$ ○ = $\frac{3}{4}$ • = 1



□ = $\frac{5}{9}$ * $\frac{12}{9}$ • = $\frac{7}{9}$ ○ = 2

□ = $\frac{22}{25}$ ○ = $\frac{24}{25}$ $3\frac{1}{5}$ ~~* = $3\frac{3}{5}$~~



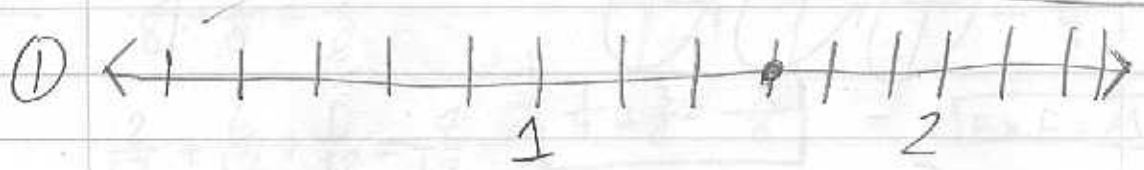
* = $\frac{9}{10}$ ○ = $\frac{7}{10}$ □ = $\frac{1}{2}$ • = $\frac{1}{5}$

① $\frac{11}{24}$ ② $\frac{2}{6} = \frac{1}{3}$ $\frac{2}{6} \div \frac{2}{2} = \frac{1}{3}$ ③ $\frac{12}{16} \div \frac{4}{4} = \frac{3}{4}$

~~Any prime except~~

Big 1 is good

Warm Up 2-28-05

① 

Identify the mixed number on the number line • = $1\frac{3}{6} = 1\frac{1}{2} = 1.5$

② $3^5 = 3 \times 3 \times 3 \times 3 \times 3 = 243$

③ Simplest Form

$\frac{5}{10} = \frac{1}{2}$	$\frac{16}{24} = \frac{2}{3}$	$\frac{5}{8} = \frac{5}{8}$	$\frac{2}{10} = \frac{1}{5}$

Like fractions just add numerator

Like fractions
LF = JAN

Adding Fractions

$\frac{3}{8}+\frac{2}{8}=\frac{5}{8}$

$\frac{2}{12}+\frac{6}{12}+\frac{1}{12}=\frac{9}{12}$

$\frac{1}{4}+\frac{2}{9}=\frac{3}{4}$

$\frac{7}{16}+\frac{1}{16}=\frac{8}{16}$

$\frac{1}{4}+\frac{3}{8}=\frac{5}{8}$

$\frac{1}{2}+\frac{2}{8}=\frac{6}{8}$

$\frac{6}{12}+\frac{3}{8}=\frac{21}{24}$

$\frac{6}{12}\times\frac{2}{2}=\frac{12}{24}$

$+\ \frac{3}{8}\times\frac{3}{3}=\frac{9}{24}$

$\frac{21}{24}\times\frac{1}{1}=\frac{21}{24}=\frac{7}{8}$

1.

F x F = M

$\frac{1}{4}+\frac{3}{8}$

8

Sample

$\frac{1}{4}\times\frac{2}{2}=\frac{2}{8}$

$+\ \frac{3}{8}\times\frac{1}{1}=\frac{3}{8}$ +

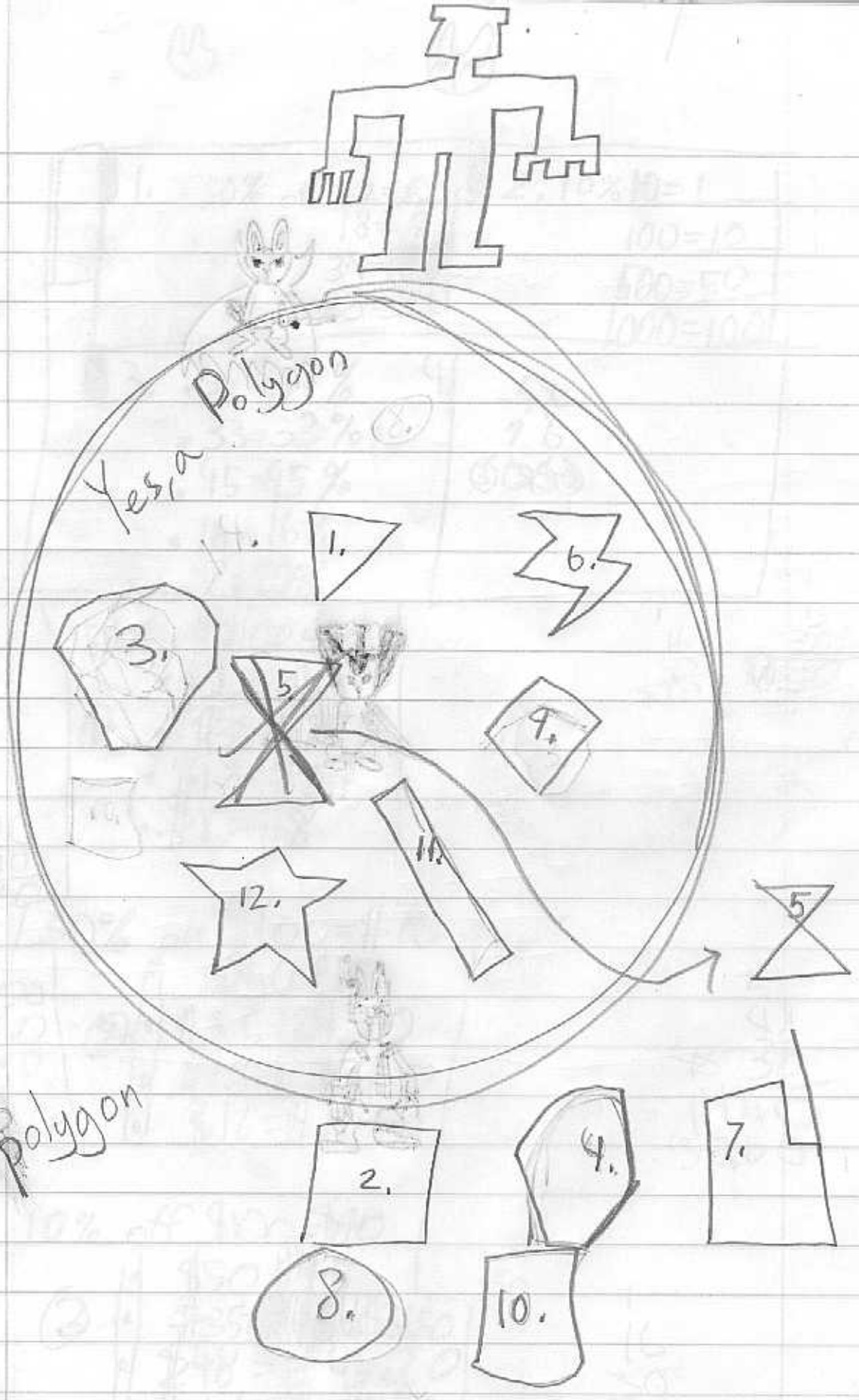
$\frac{5}{8}\times\frac{1}{1}=\frac{5}{8}$

$\frac{3}{7}\times\frac{1}{3}=\frac{m20}{21}$

$\frac{3}{7}\times\frac{3}{3}=\frac{9}{21}$

$+\ \frac{1}{3}\times\frac{7}{7}=\frac{7}{21}$ +

$\frac{16}{21}$ $\frac{16}{21}$


Yes, a Polygon
1.
6.
3.
5
9.
11.
12.
5
Not a Polygon
2.
4.
7.
8.
10.

1. 50% of 12 = 6
18 = 9
34 = 17
88 = 44

2. 10% 10 = 1
100 = 10
500 = 50
1000 = 100

3. .67 = 67%
.33 = 33%
.45 = 45%
.16 = 16%
.7 = 70%

4. 54
9 6
6 3 3 2

50% off $100 $50
• $50 = $25
① • $35 = $17.50
• $48 = $24
• $16 = $8

30% off $100 = $70
$50 = $35
② $35 = $24.50
$48 = $33.60
$16 = $11.20

10% off $100 = $90
$50 $45
③ $35 = $31.50
$48 = $43.20
$16 = $14.40

$$\begin{array}{r} 99 \\ \times 36 \\ \hline 594 \\ 2970 \\ \hline 3564 \end{array}$$

$$36\overline{)99}\quad 2,\ -72,\ 27$$

Percent → 35.64

① $58\% = \frac{58}{100} = .58$

② $64\% = \frac{64}{100} = .64$

③ $5\% = \frac{5}{100} = .05$

④ $\frac{25}{100} = \frac{1}{4}$

36 % of 99 = 35.64

15% of 29 = 4.35

$$\begin{array}{r} 29 \\ .15 \\ \hline 145 \\ +290 \\ \hline 4.35 \end{array}$$

15% of 48

$$\begin{array}{r} 48 \\ .15 \\ \hline 240 \\ 480 \\ \hline 7.20 \end{array}$$

15% = 48 = 7.20

25% of 36

$$\begin{array}{r} 36 \\ .25 \\ \hline 180 \\ 720 \\ \hline 9.00 \end{array}$$

9.00

35% as decimal

35% = .35

50% of 28 = 14

$\frac{85}{100}$ = 85%

0.8 = 80%

0.15 as percent 15%	0.9 as percent 90%
0.05 as percent 5%	$\frac{35}{100}$ as percent 35%

20, 40
20, -40
-30, -40
-30, -30
-40, -20
-40, 0
-30, 10
-30, 20
-40, 20
-40, 30
-10, 30
0, 40
20, 40

(1) 5)450 = 90
-45
0

(5) 1.5)25.150 = 16.76
-15
101
-90
115
-105
100
-90
10

(2) 3)214,023 = 71,341
-21
04
-3
10
-9
12
-12
03
-3
0

(6) 77
(11) (7)

(7) 36
9 9
3 3 2 2

(3) 5)53,219.10 = 10,643.8
-5
03
-0
32
-30
21
-20
14
-15
4.0

(8) 7×7×7
49 343

(9) 1 2 3 4
$2\frac{1}{5}$

(4) 36)51,320.00 = 1,425.55
-36
153
-144
92
-72
200
-180
20.0
-18.0
2.00
-1.80
.20

(10) 0 1 2 3 4 1
$\frac{2}{4}$

(11) $\frac{2}{5} - \frac{1\times5}{4\times5} = \frac{5}{20}$

$\frac{2\times4}{5\times4} = \frac{8}{20}$ so $\frac{8}{20} - \frac{5}{20} =$

(12) $5\frac{1}{3} + 6\frac{2}{12}$

$5\frac{4}{12} + 6\frac{2}{12} = 11\frac{6}{12} = 11$

$\frac{1\times4}{3\times4} = \frac{4}{12}$

(13) 0.3 = 30%

(14) .56 × .20 = 11.20

(15) 35% = .35

$\frac{13}{79}$ $\frac{17}{100}$

7900

$\frac{17}{100}$ $\frac{79}{79}$ $\frac{1343}{7900}$

$\frac{13}{79}$ $\frac{100}{100}$ $\frac{1300}{7900}$

$\frac{17}{100}$

1700

$\frac{17}{100}$ $\frac{17}{17}$

$\frac{6}{17}$ $\frac{2}{100}$

13 79

$\frac{13}{79}$

$\frac{6}{17}$ $\frac{100}{100}$ $\frac{600}{1700}$

$\frac{2}{100}$ $\frac{17}{17}$ $\frac{34}{1700}$

13
4
52
13
65

73
×79
117
910
1027

$\frac{17}{100}$ $\frac{79}{79}$ $\frac{13}{79}$

5 r.15
17 100
−85
15

3
17
×5
85

3
16
5
80

Range = 11

2, 11, 4, 6, 9
3, 5, 15, 9, 6

cluster = a big bunch of data that is together

outlier = seperate from the rest of the data

range = ~~grea~~ difference between least and greatest number

cumulative frequency = ~~range~~ running total

6. 12
7. 20
8. 39
9. 7
10. 16
11. 15
12. 10
13. 30
14. 23
15. 21
16. 3
17. 6
18. 8 slices
19. $15.00
20.

Event	Students	C.F.
9:30	16	16
10:30	13	29
1:30	17	46
2:30	18	64

150
18
6.00

21. 2:30PM
22. 29
23. 64

Range

1. 99, 85, 100, 78, 89 = 22
2. 8, 11, 23, 14, 9, 10, 16 = 15
3. 156, 132, 141, 127 = 29
4. 36, 33, 39, 28, 29 = 11

Mean = average

2. = 28

3. = 95

5. = 8

7. = 26

90
110
96
85
113
+89
583 ÷ 6 = 97.166

97.1666
6)583.00
-54
43
-42
10
-6
40
-36
4

Week	Amount	C.F.	1. $7.30
1	$3.00	$3.00	2. $14.50
2	$.50	$3.50	3, 2
3	$12.00	$15.50	
4	$6.00	$21.50	
5	$15,00	$36.50	

19 24 24 28 32 32 45.50

60

30

Day	Amount	C. F.
1	$6.50	$ 6.50
2	$7.00	$13.50
3	$ .50	$ 14.00
4	$13.50	$27.50
5	$10.00	$37.50

1. $7.50
2. $7.00
3. $13.00
4. no mode

$$5\overline{)37.50}\quad 7.50,\ 25,\ 00,\ 0$$

Stem and Leaf

Stem → Leaf

Scale = is the series of numbers starting at zero placed at fixed differences on a graph.

Stem	Leaf
1	
2	3,4,6
3	2
4	5,7
5	
6	8,9,7,8,9
7	
8	1
9	

Warm_Up

mean: 14,16666666666666666666666666666

median: 13.5

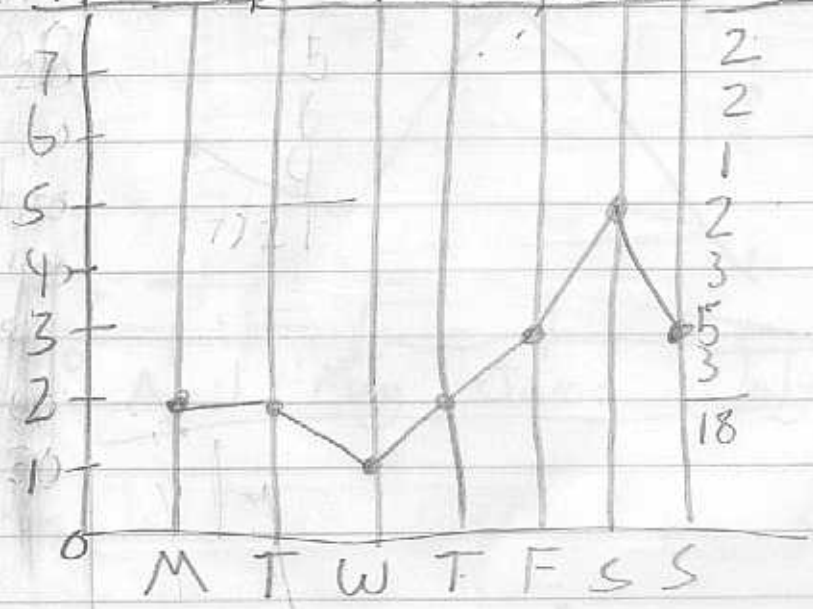
mode: 14

13, 14, 23, 9, 12, 19

3
DZT

MY SCREEN TIME

Hours



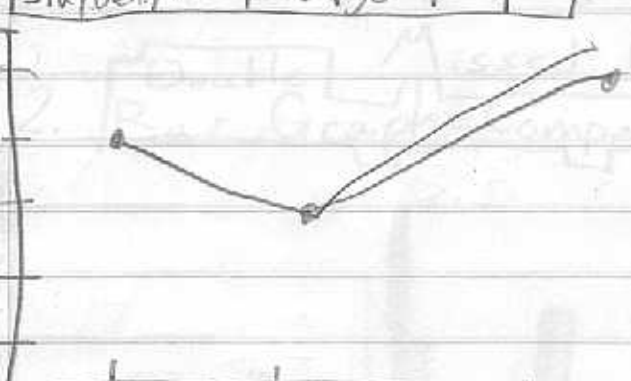
2.57142857...
7) 18.0000000...
4.0
.50
.49
10
30
20
60
40
5

Chunk = Inteval = The difference between one number and the next on a scale.

Field Trip Ideas

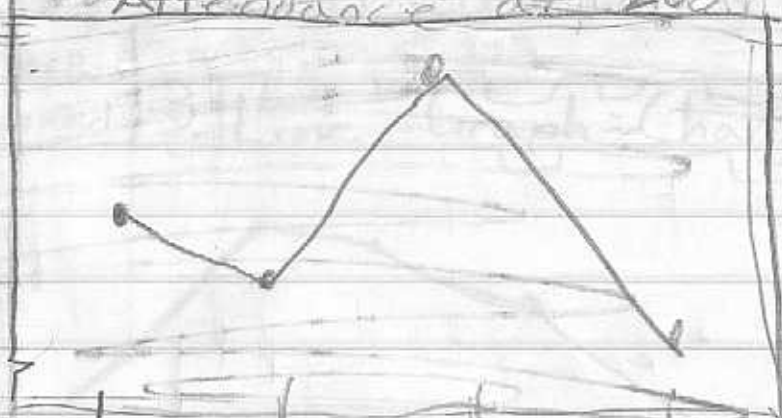
Field Trip Ideas				
Location	Zoo	Mus	Aqu	
Student	40	30	50	

1.



Attendance at Zoo

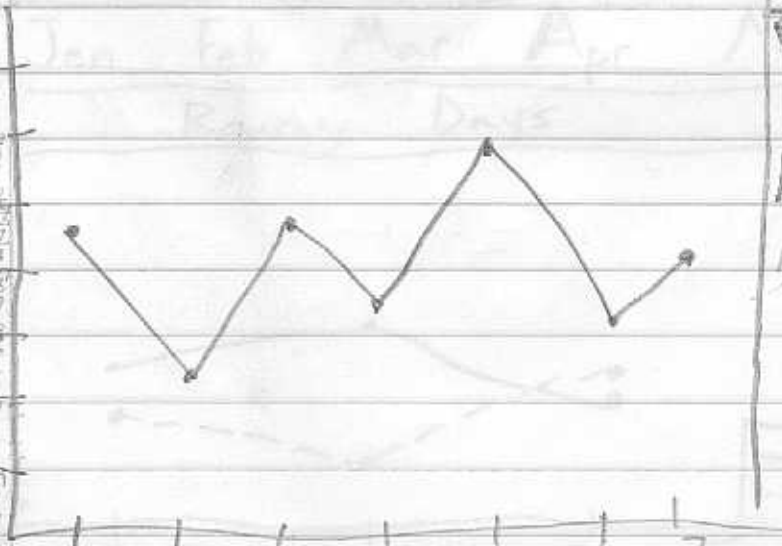
2.



3. Month

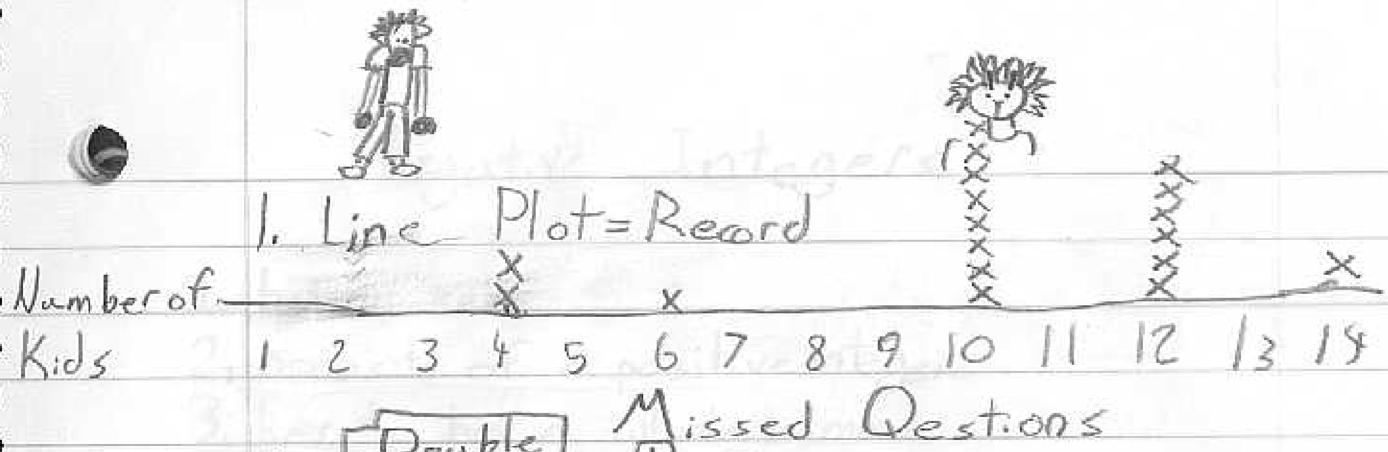
Baseball Game

Parents at Baseball Game

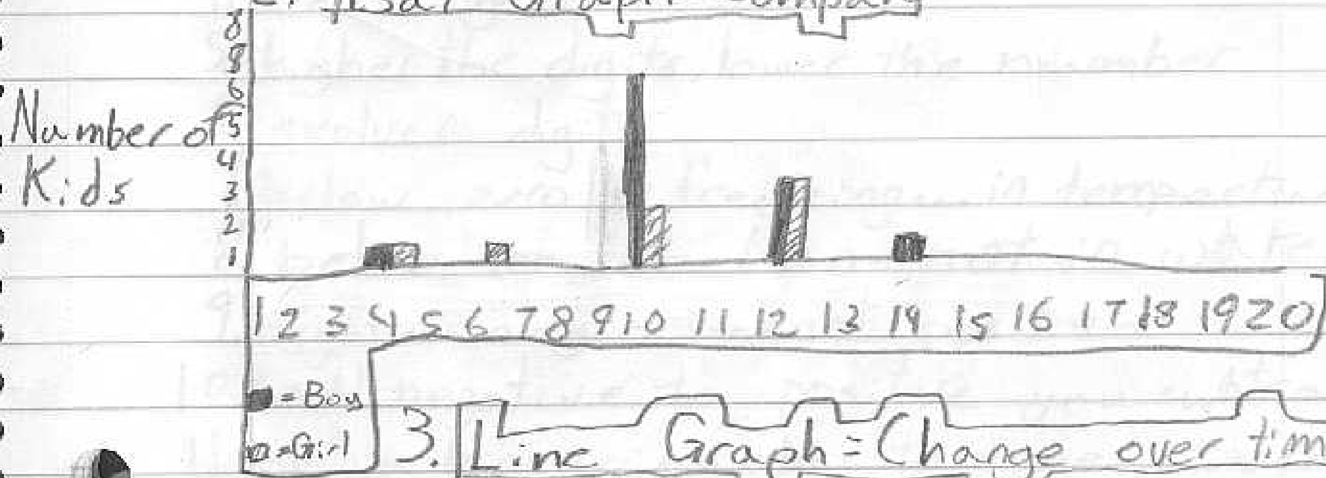


Parents at Base Ball Game

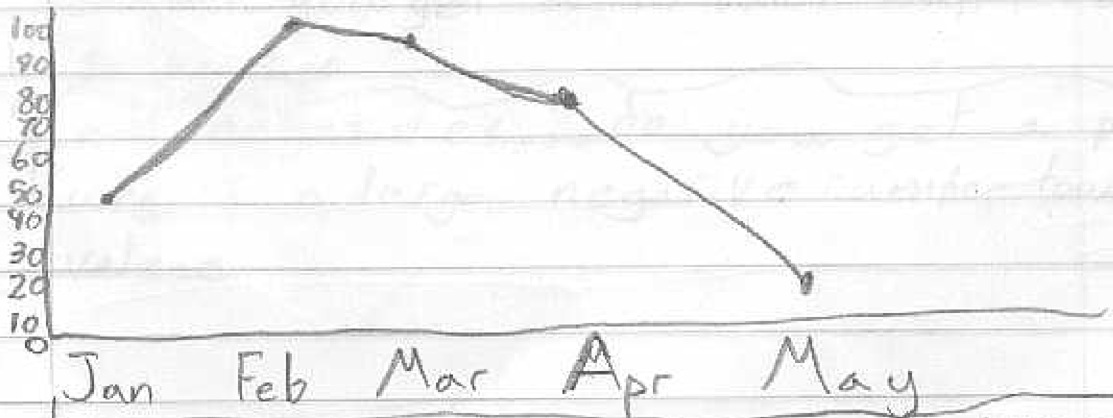
1. Line Plot=Record

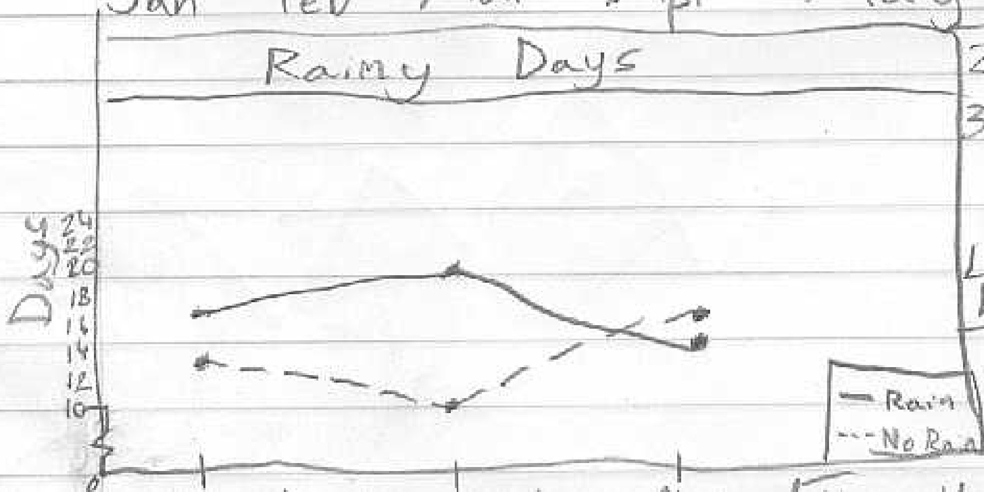


2. Double Bar Graph=Compare



3. Line Graph=Change over time





2. 1/9, 1/8, 2/18, 1/4, 25/50

3. 10,243.04
× .17
7170128
1024304 0
1741.3168

Negative Integers

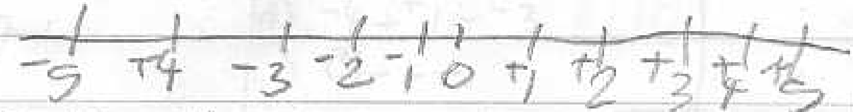
1. below zero
2. opposite of a positive integers
3. has to be a whole number
4. minus sign
5. higher the digits, lower the number
6. involves digits
7. below zero is freezing... in temperature
8. below sea level and not in water
9. negative integers are not positive
10. add negative to positive you subtrakt
11. add a bigger number to a negative number you get a smaller number?
12. it's negative

? add negatives... do you get a positive
? who is a larger negative number lower in valeue

Hi

less = left
greater = right

Warm-Up



① $^{-}2 + ^{+}3 =$ $\underline{^{+}1}$

② $^{-}3 + ^{+}3 =$ $\underline{0}$

③ $^{+}400$ ft

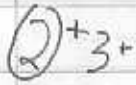
$^{+}7 - ^{-}2 = ^{+}5$

+ + + + + (3)(2)

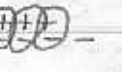
null set

① $^{+}5 + {}^{-}2 = {}^{+}3$

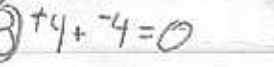
② $^{+}3 + {}^{-}4 = {}^{-}1$



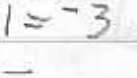
③ $^{+}4 + {}^{-}4 = 0$



④ $^{+}5 + {}^{-}10 = {}^{-}5$



① $^{-}4 + {}^{+}1 = {}^{-}3$



② $^{-}12 + {}^{-}2 = {}^{-}14$ ← could not read the 4

③ $^{+}9 + {}^{-}9 = 0$

① Absolute Value of -9 is $|9|$

Subtract Integers

① $^{+}4 - {}^{+}1 = {}^{+}3$

++++

② $^{-}4 - {}^{+}1 = {}^{-}5$

----

③ $^{-}3 - {}^{+}2 = {}^{-}5$

$^{+}4 - {}^{+}6 = {}^{-}2$

++++ ++++

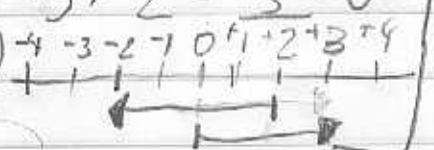
Three things I have in common with my math partner!

- like donuts
- ~~comedy movie~~ hate bush
- ~~both like ks~~
- both like greenday

(1) $^{+}2 - {}^{-}1 = {}^{+}3$

(2) $^{-}7 - {}^{+}3 = {}^{-}10$

(3) $^{+}5 + {}^{-}2 = {}^{+}3$

(4) 

$^{+}3 - {}^{-}2 = {}^{+}5$

$^{+}2$

(5) $^{+}64 - {}^{-}26 = {}^{+}90$

Warm-Up

lose! win!

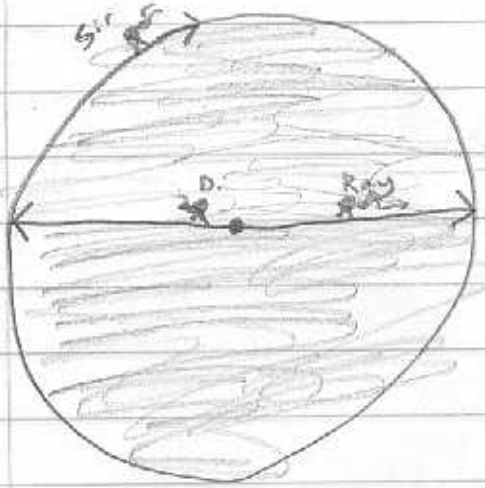
Negatives:

1. Score is $-3 + -3 = -6$

2. Score is $5 + -2 = +3$

3. Score is $-6 + 3 = -3$

1. a loss of ten yards on a field -10	2. $-11 - +1 = -12$
3. $-6 - +2 = -8$	4. $-1 - +3 = -4$



Temperature @ 6 am was $-2°$, @ 10 am had rose $5°$, 10 pm had dropped $3°$

[$0°F$]

Circumference:

$C = d \times 3.14159$

P. π

$$\begin{array}{r} 3.14 \\ \times 36 \\ \hline 1884 \\ 9420 \\ \hline 113.04 \end{array}$$

3.14 × 12

diameter: 12 in

circumference: 37.68 in

radius: 6 in

Area: $\pi \times r^2 = 113.04\ in^2$

$$\begin{array}{r} 13 \\ 3.14 \\ \times 8 \\ \hline 25.12 \end{array}$$

$$\begin{array}{r} 2 \\ 3.14 \\ .16 \\ \hline 1884 \\ 3140 \\ \hline 50.24 \end{array}$$

~~8~~

r. 4

d. 8

c. 25.12

a. 90.24

2.4

d. 24

r. 12

c. 75.36

a. 452.16

$$\begin{array}{r} 3.14 \\ \times 24 \\ \hline 1256 \\ 6280 \\ \hline 75.36 \end{array}$$

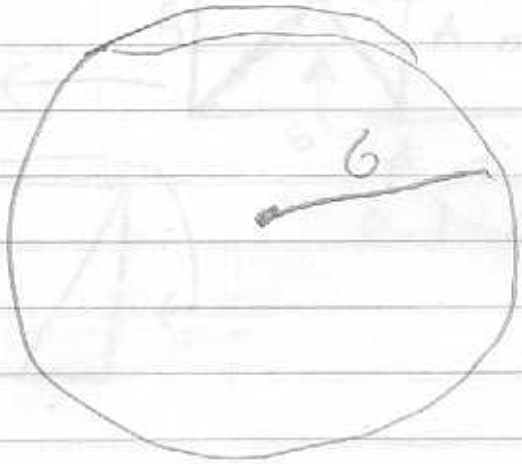
$$\begin{array}{r} 1 \\ 3.14 \\ 144 \\ \hline 12560 \\ 125600 \\ 314000 \\ \hline 452.16 \end{array}$$

Warm - Up

6 □ 4 — A = 24, P = 20

□ 8 — A = 64, P = 32

6 △ 5 12 — A = 15, P = 23



C = 37.68

D = 12

R = 6

A = 113.04

3.14
×12
628
3140
37.68

2

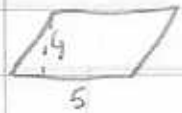
3.14
×36
1884
+9420
113.04

X 2 3 4 5 6 7 8 9 10 11 12

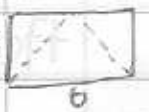
Tax P	Tax C
11	1
9	3
10	5
8	2
12	4
	6
	7

A=21
P=20

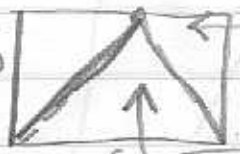
A=6
P=7



A=20
P=18



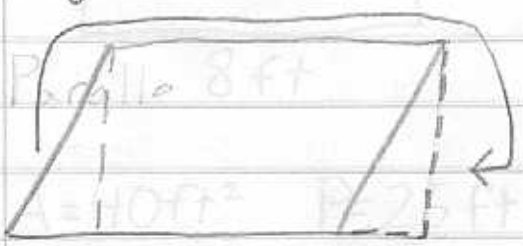
A=30
P=22



A of is 7.5

A of triangle is 15

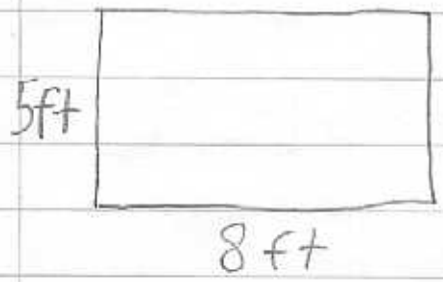
Red Δ=15



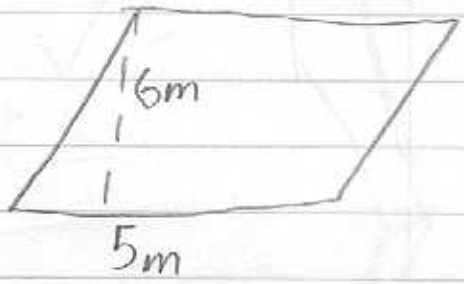
A=bh

Math Test

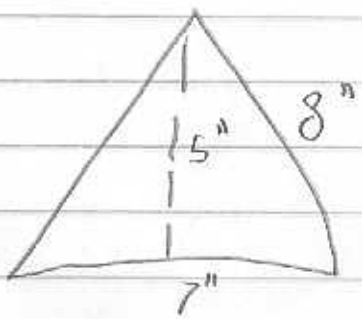
5/4

① 

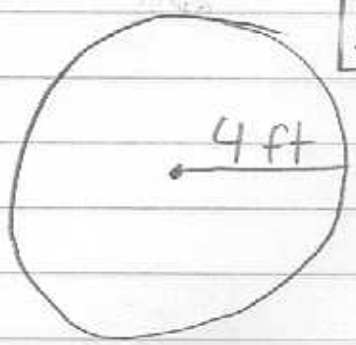
$A = 40 ft^2$ $P = 26 ft$

② 

$A = 30 m^2$

③ 

$A = 17.5 in^2$

④ 

$C = 25.12 ft$
$R = 4 ft$
$D = 8 ft$
$A = 50.24 ft^2$

3.14 × 8 = 25.12

3.14 × 16 = 50.24


① 7 ft 5 ft $A = 17.5 ft^2$

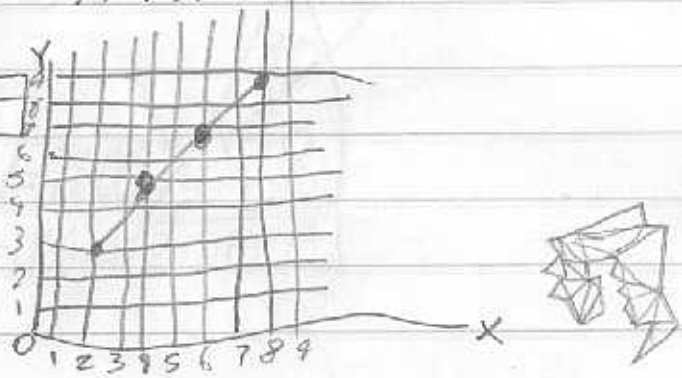
② 7" 5" $A = 35 in^2$ $P = 28 in$

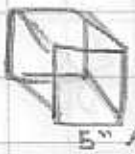
③ 12 m 3 m 5 m $A = 10 m^2$ $P = 16$

④

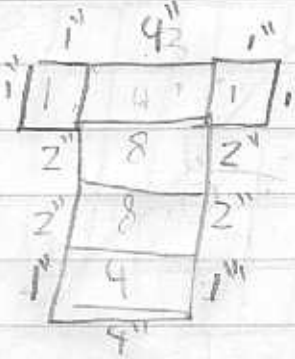
x	2	4	6	8	1
y	3	5	7	9	

$x + 1 = y$





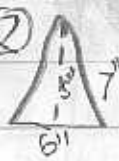
$A = 150 in^2$



$A = 26 in^2$

① 

$A = 128 in^2$

② 

$A = 15 in^2$

$P = 20 in$

③ 

$D = 20 in$

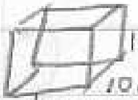
$C = 62.80 in$

3.14

$A = 314.00$

④

$$\begin{array}{r} {}^{1}\,{}^{3} \\ 12.00^{7} \\ \times\ .15 \\ \hline 60035 \\ 120070 \\ \hline 1.80105 \end{array}$$

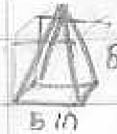


$V = 10^3$

$V = 1000$

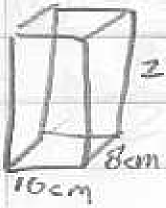
$A = 600 cm^2$

Volume = l×w×h (length, width, height)



$A = 105 in^2$

$V = 200$



$V = 2000 cm^3$

$A = 1160 cm^2$

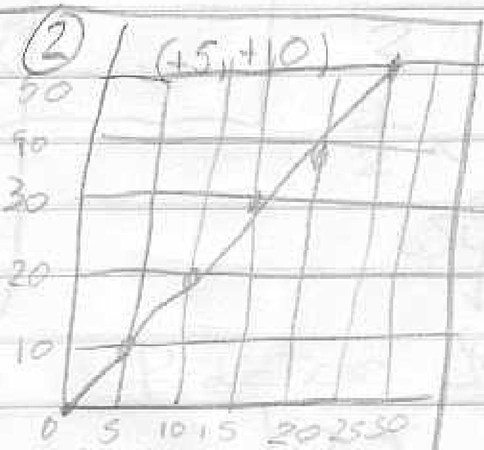
80
25
400
1600
2000

①

x	y
2	13
3	19
4	25
5	31
6	37

y=(x6)+1

②



y=x2

(+5, +10)

③

x	y
1	8
2	10
3	12
4	14
5	16

y=x+3.2

④

$\frac{1}{4} + \frac{3}{9} = \frac{21}{36} = \frac{7}{12}$

Warm-Up

① $\frac{1}{8} + \frac{5}{8} = \frac{3}{4}$ $\boxed{\frac{2}{2}}$ $\frac{6}{8}$

② $\frac{6}{8}$ $\boxed{\frac{1}{2}}$ $\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$

③ $\frac{8}{12} - \frac{1}{4} = \frac{5}{12}$ $\frac{1}{4}$ $\boxed{\frac{3}{3}}$ $\frac{3}{12}$

④ $\frac{1}{3} \times \frac{2}{6} = \frac{1}{9}$ $\boxed{\frac{2}{2}}$ $\frac{2}{18}$

$\frac{3}{4} \div \frac{1}{8}$ 6

$\frac{3}{4} \times \frac{8}{1} = \frac{24}{4}$

$4\overline{)24}$ 6

$\frac{1}{2} \div \frac{3}{4}$ .60∞

$\frac{1}{2} \times \frac{4}{3} = \frac{4}{6} = \frac{2}{3}$

$6\overline{)4.0}$ 0.6∞

$\frac{40}{4}$

Practice

① $\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$

② $\frac{3}{16} + \frac{1}{4} = \frac{7}{16}$

③ $\frac{1}{8} \times \frac{1}{4} = .32$

④ $\frac{3}{4} \div \frac{1}{2} = 1.\frac{1}{2}$

$\frac{3}{4} \times \frac{2}{1} = \frac{6}{4}$

$4\overline{)6.0}$ 1.5

15

$\frac{3}{4} \times \frac{8}{3} = \frac{24}{12} = 2$

39.62

.70 = 70 = %	.71 = 71 = %
$39.62	$5.95
× 70	× .71
$27.73	$4.22
.64 = 64 = %	.99 = 99 = %
20	11
× .64	× .99
80	99
1200	990
1280	10.89

$\pi r^2 = A$

① 50 out of 200 kids finished the race. What % finished, 25%

② $\frac{1}{4} - \frac{1}{12} = \frac{1}{6}$ ③ $\frac{1}{16} + \frac{4}{16} = \frac{5}{16}$ ④ $5^3 = 125$

⑤ $\frac{1}{12} + \frac{1}{4} = \frac{5}{16}$ ⑥ $\frac{1}{2} \times \frac{4}{8} = \frac{1}{4}$ ⑦ One out of 5 kids loves homework, What % loves homework, 20%

⑧ Prime factors of 48

$48 = 2 \times 3$

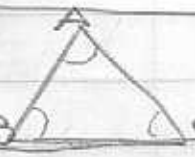
①	x	y
	1	6
	2	9
	3	14
	4	21
	6	30

$x^2 + 5 = y$

920°

180°

③ $\overleftarrow{ABC} =$ $\overleftarrow{BAC} =$ $\overleftarrow{CAB} =$ $\overleftarrow{BCA} =$



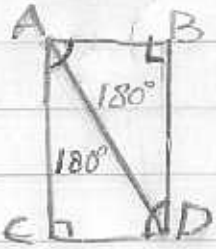
② A ← → B

$\overleftarrow{AB} = 180°$

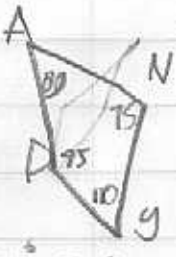
$\overleftarrow{YZX} + \overleftarrow{XZY} + \overleftarrow{XYZ} + \overleftarrow{YXZ} + \overleftarrow{ZYX} + \overleftarrow{ZXY} = 180$

$\overleftarrow{ABC} = 90° + \overleftarrow{CAB} = 45° + \overleftarrow{BCA} = 45° = 180°$

$\overleftarrow{ADB}$

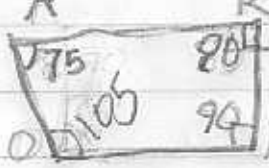


$\overleftarrow{ABCD} = 360°$



$75° + 95° + 100° + 8$

72
42
288
144
1728



This is a rectangular prism that measures 6" high by 24" long, 12" deep. 1728 in³

9
48
×6
288

① $\frac{3}{4}+\frac{7}{8}=1\frac{5}{8}$

② $2\frac{1}{4}+3\frac{5}{12}=5\frac{8}{12}=5\frac{2}{3}$

③ $\frac{5}{8}-\frac{1}{6}=\frac{11}{24}$

④ $\frac{3}{4}$ of $24=18$

⑤ $\frac{3}{4}$ of $12=9$

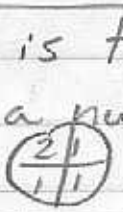
$\frac{12}{1}\div\frac{3}{4}$

$\frac{12}{1}\times\frac{9}{3}=\frac{48}{3}$

15 | 3 | 45
16 | 3 | 48

.0625
48)3,0000
−288
120
−96
240

Probability is the chance for a number to occur.



5/16/05

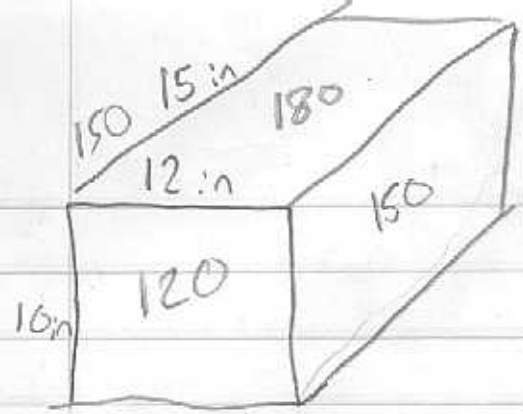
The spinner has a $\frac{3}{4}$ chance of landing on 1

WIN

2 3 4 5 6 7 8 9 10 11 12

WIN

2 3 4 5 6 7 8 9 10 11 12



12
15
60
120
180

90° 90°
90° 90°

L*W*H

Surface Area = 900 in²
Volume = 1800 in³

$\angle Z + \angle X + \angle R = 180°$
$\angle F + \angle Q + \angle T + \angle P = 360°$