

CAHOOTS
MATH
GRADE FIVE ANSWER KEY

Lesson One

Addition, Subtraction, Multiplication and Division

91 766,891
 2520 21
 58.349 712,911
 2.155 215,272
 6

Fractions and Decimals

$\frac{3}{4}$.75
$\frac{1}{3}$.333
$\frac{5}{6}$.833
$\frac{9}{10}$.90
$\frac{2}{4}$.50
$\frac{7}{8}$.875

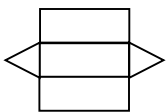
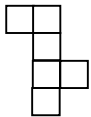
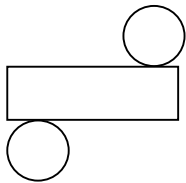
Word Problems

\$3.24

$\frac{1}{6}$ of the puzzle

106.25 miles

3D Shapes



Exploring Tessellations

Answers vary.

Lesson Two

Shape Matching

Acute Angle - I am $< 90^\circ$

Right Angle - I am exactly 90°

Obtuse Angle - I am $> 90^\circ$ and $< 180^\circ$

Reflex Angle - I am $>$ than 180°

Straight Line - I am exactly 180°

Function Tables

In	Out
35	1
105	3
210	6
280	8
Rule: Divide by 35	

In	Out
12	195
18	292.5
20	325
25	406.25
Rule: Multiply by 16.25	

Order of Operations

219	117
83.6	2
28	147

Prime and Composite Numbers

Prime numbers circled: 2, 7, 19, 23, 41, 59

Composite numbers with an X: 8, 9, 12, 15, 22, 30, 30, 44, 48, 55

Recording Time

Answers Vary

Lesson Three

Mean, Median, Mode and Range

Mean: 15.71

Median: 12

Mode: 12

Range: 44

Mean: 9.11

Median: 9

Mode: 9

Range: 14

Mean: 5.47

Median: 5, 6

Mode: 6

Range: 7

Word Problems

\$25.70

15 hours

36 months

3 $\frac{19}{21}$ hours

Greater Than, Less Than, Equal

$\frac{3}{8} < .378$

$\frac{5}{12} < \frac{5}{10}$

$\frac{6}{7} > .707$

$.5 > .10$

$\frac{2}{3} = .667$

$\frac{8}{20} = .4$

Addition, Subtraction, Multiplication and Division

$3 \frac{11}{15}$

585.18

$5 \frac{7}{10}$

173.5

$\frac{1}{4}$

899,846

$2 \frac{1}{6}$

33

Reduce It!

Answers vary.

Lesson Four

Graphs

legends
historical
98 students
25
19.6
19 students
no

Mixed and Improper Fractions

$3\frac{3}{4}$	$15/4$
$4\frac{5}{8}$	$37/8$
$12\frac{3}{4}$	$51/4$
$10\frac{5}{7}$	$75/7$
$345\frac{1}{2}$	$791/2$

Perimeter, Area and Volume

Perimeter = 42.6 in.

Volume = 504 in.³

Surface Area = 592 cm.²

Area = 36 cm.²

Word Problems

8 $\frac{13}{18}$ hours

$\frac{16}{21}$ miles

42 volunteers

\$155.06

Household Measurements

Answers vary.

Lesson Five

Word Problems

44 packs

500 shelves

\$348.33

57 students

Algebra

$x = 12$

$x = 22$

$x = 9$

$x = .5$ or $1/2$

$x = 40$

$x = 2.5$

Graphs

3/20

21/80

160

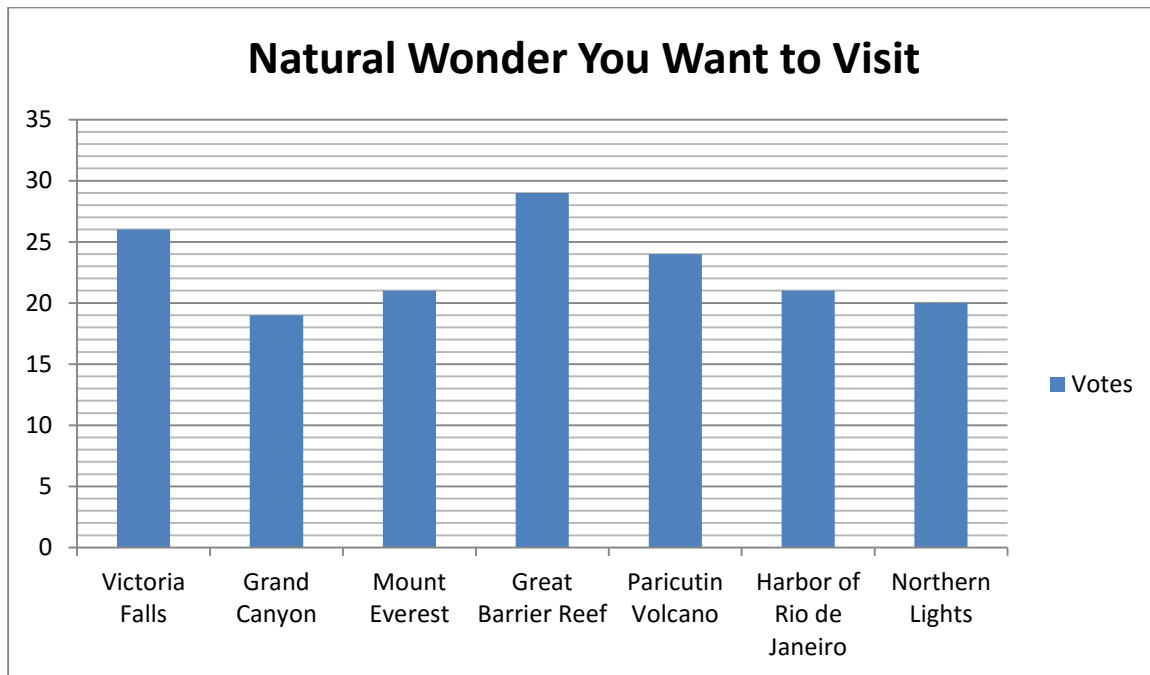
10

21

21

22.857

Create a Graph



Thank You

Answers vary

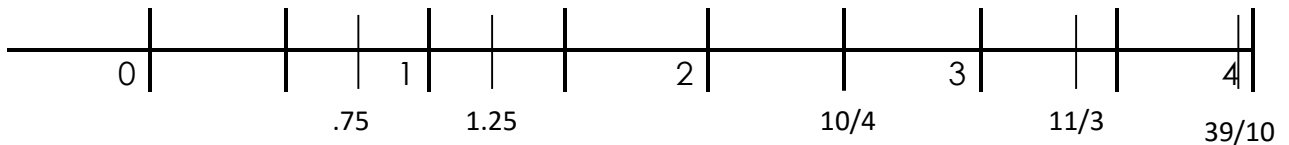
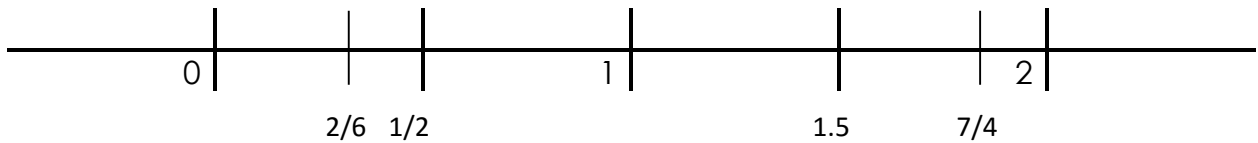
Lesson Six

Graphs

Time Practicing Lacrosse	
Week	Hours
1	4
2	6
3	4
4	7
5	2

5
4
4
4.6
4/23
.17
17%

Number Lines



Order of Operations

81 .2
14 443
1600 75

Perimeters, Area and Volume

Area= 36 cm^2 Perimeter = 195.36 inches
Volume= 192 cm^3 Surface Area= 793.5 in^2

Grocery Guessing Game

Answers vary

Lesson Seven

Distributive Property

$$48 + 16$$

$$3(x + y)$$

$$20x + 5$$

$$19x + 38y$$

Word Problems

\$110.50

\$291.77

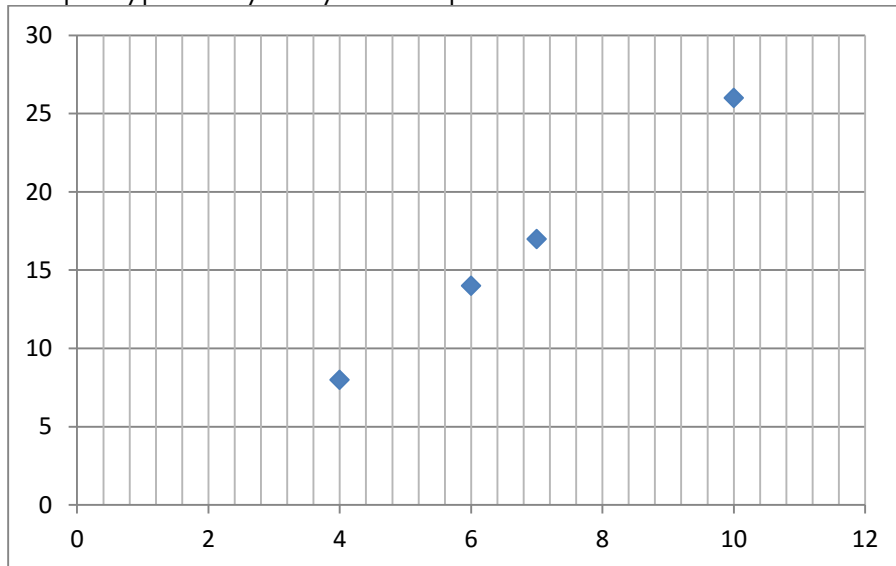
15,840 minutes

Function Tables

Missing Rule: $y=7x$

x	y
4	8
6	14
7	17
10	26
Rule: $y=3x-4$	

Graph type may vary. Example:



Decimals

976.81

93.65

41.385

309.464

60.56

96.07

Data Collection and Bar Graph

Answers vary.

Lesson Eight

Data Chart

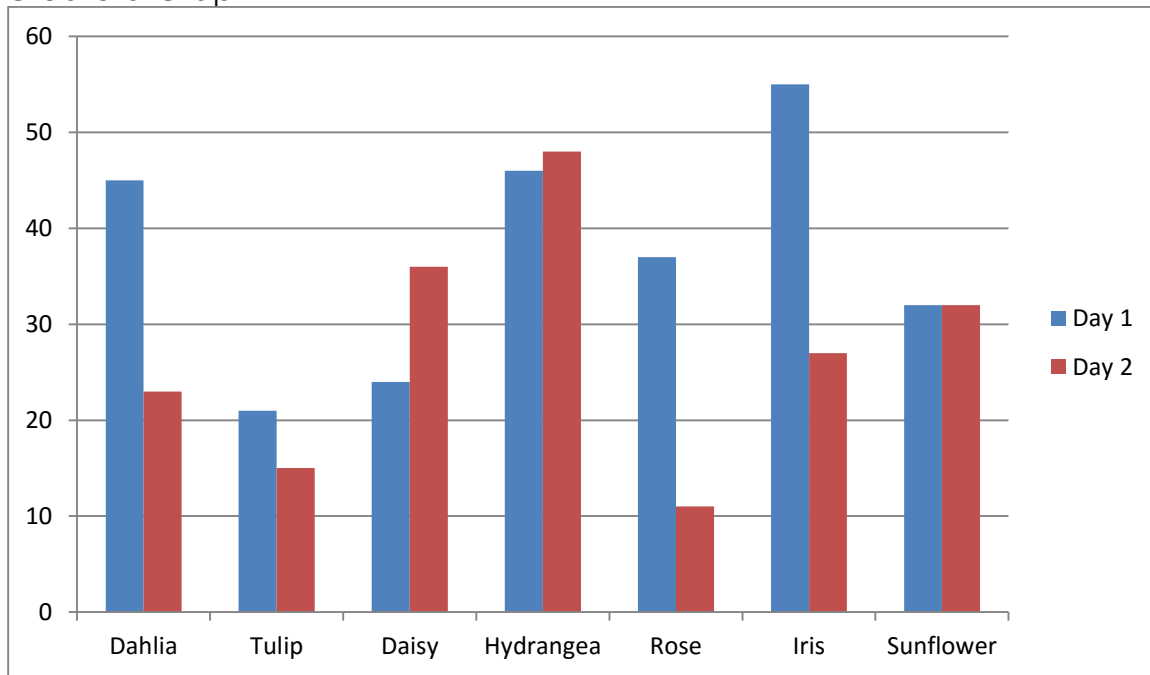
452 flowers

1/4 were Hydrangeas

34

27.428

Create a Graph



Perimeter, Area and Volume

Area= 35,516,925 cm.

Volume = 28,546,003 cm.³

Perimeter= 391.428 in.

Surface Area= 1472.5 cm.²

Addition, Subtraction, Multiplication and Division

95002.21

2,645,160

5002.21

108

30

693 1/6

2.155

124.01

Totally Tangrams

Answers vary.