

5th Grade Answers

Set 1:

1. He did not receive the correct amount of change. The correct estimate for change should be \$7.00 rounded to the nearest dollar or \$6.50 rounded to the nearest half dollar.
2. A little more than 9 months.
3. 108 cookies
4. 8 miles
5. 2608 tons of waste
6. 4605 feet
7. \$1994
8. 3928 basketballs
9. 70 beats per minute
10. $53 + 18 > 33 + 28$

Set 2:

1. No, $5 * \$1.79 = \8.95
2. Answers will vary
3. 48 apples
4. 11 marbles of each color
5. 51 pieces
6. \$238
7. 270 minutes
8. 52 stamps
9. $180 - (43 + 79) = 180 - 122 = 58$
10. Length of 6 units and width of 4 units

Set 3:

1. 98 seconds
2. 148 seconds
3. $2/7$
4. 4 pieces
5. 96 square meters
6. 6 minutes
7. 7 hours
8. 24 people; 48 people; 96 people
9. a. $38 * 5 =$
b. $45 \div 5 =$
c. $8 * 8 =$
d. $32 \div 8 =$
e. $12 * 4 =$
f. $60 \div 12 =$
10. Doubling option \$254

Set 4:

1. 486 students
2. \$9.00
3. 132 books
4. 4 pumpkins
5. 107 tickets
6. (1,6); (2,5), (3,4)
7. 360 lollipops
8. No, one more parent
9. Student 1 and student 5
10. Fifth \$600
Fourth \$1200
Third \$300
Second \$200
First \$200
Kind. \$200

Set 5:

1. 5,499
2. A quarter, a nickel, and two pennies
3. \$12.00
4. 208 slices
5. 320 slices
6. 896 square feet
7. Estello was fastest
Leslie was slowest
8. Flora
Answers will vary
9. \$7.00
10. Less than one
answers will vary

Set 6:

1. $(16 - 2) \div 3$
2. $10 + 5 \times (8 - 8) = 10$
 $(10 + 5) \times 8 - 8 = 112$
 $10 + (5 \times 8) - 8 = 42$
3. 16 pieces
4. 780 cards
5. 3, 1, 7
6. 36
7. 8 cars
8. 9 dollar bills
9. 4, answers will vary
10. 16 brownies

Set 7:

- 1708 people
- 10 of each color
- 625 t-shirts
- \$504.75
- \$3290
- Bob
- Tony
- .62 inch, answers will vary
- \$11.01
- 35

Set 8:

- yes
- 8 people
- 380
- \$650
- 420 ounces
- see number line
- Mr. Locke's by .05 in.
- Sarah ate the most
Maria ate the least
- \$12.50
- 12:15 pm

Set 9:

- $\frac{3}{8}$ of the pie
- 20 marshmallows
- About 30 mpg
About 480 miles
- 2 triangles
- Pens
- \$12.25
- 243, multiply by 3
- 13 loads
- Room A 30
Room B 10
Room C 15

Set 10:

- 176 plants
- \$121
- 16,000 cartons
- 4 busses
- $\frac{13}{8}$ or $1\frac{5}{8}$ yards
- $\frac{3}{5}$
- 3.3 in.
- 111 seconds
- \$16
- 16 tiles

Set 11:

- 5.6
- 720 fruit bars
- 26
- 88 boxes
- 6
- .21 seconds
- $15 \times 20 = 300$
- No, total is \$11.80
- $\frac{6}{10}$ or $\frac{3}{5}$ miles
- 14 dogs and 8 judges

Set 12:

- \$486.75
- 88 boxes
- 2405 days
- 181 days
- $\frac{3}{8}$ cup
- $\frac{5}{12}$; answers will vary
- $1\frac{2}{4}$ or $1\frac{1}{2}$ inches
- 5.4 inches
- 5.3 seconds
- 21 yards

Set 13:

- 19 cars
- $\frac{5}{10}$ or $\frac{1}{2}$
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Item	Actual Price (a)	Rounded to the nearest dollar (b)	Rounded to the next highest dollar (c)
Soda	\$1.15	\$1.00	\$2.00
Book	\$5.75	\$6.00	\$6.00
CD	\$13.45	\$13.00	\$14.00
Shoes	\$49.50	\$50.00	\$50.00
	Sum \$69.85	Sum \$70.00	Sum \$72.00

Estimate b

Estimate c

- 555 points
- Answers will vary;
One possible solution
4 dogs
8 cats
2 lizards
- 3 pennies, 3 dimes, 2 nickels, and 7 quarters
- 2 pieces
- 16, 15, 19
Answers will vary;
One possible solution: add 4 then subtract 1
- \$4.62
- Answers will vary;
One possible solution:
 $\frac{2}{6}$, $\frac{1}{3}$, $\frac{4}{12}$

Set 14:

- Answers will vary
- They ate the same amount
- $\frac{2}{8}$ or $\frac{1}{4}$; 9 times
- 11 cm
- \$233.00
- Ms. Mac's average: 32.20 students per class

Ms. Taylor's average: 32

students per class;

Answers will vary

- 350 to 400 plants
- 5880 video tapes
- Saturday
- 5th arrangement:
30 circles
8th arrangement:
72 circles
Answers will vary

Set 15:

- 3 units
- More students with 3 or more vowels in their names
- 245 hundreds, 6 ones
- \$1.71
- 6, 5, or 4
- 46,352
- 62 kernels
- 50°; Answers will vary
- 5, -3, -1, 0, 1, 2, 3
Answers will vary
- $\frac{1}{8}$



Set 16:

- \$1.25; \$6.26
- About 100 boxes, but answers will vary
- $3 + 9 \div 3 \times (6 - 4) = 9$
- 11 students
- Yes, distributive property
- Answers will vary
- 29.68 inches
- 7.50 inches

9. Gram or pound

10. 15,000 pounds

Set 17:

-  = 8
 = 17
- 6 cm; but answers will vary
- Inches; answers will vary
- A gallon jug
- Ounces; answers will vary
- 5, -4, -2, 1, 3; see number lines
- 12, -3, 5, 17; see number lines
- 3, -2, 3, 4, 5; see number lines
- \$8.00
- 2.51, 2.57, 3.60, 3.61

Set 18:

- Milligrams
- Inches
- Gallons
- Seconds
- Millimeters
- 4, -3, 5, 8; see number lines
- 12, -8, -3, -2, +5, +7, +11; see number lines
- 15, 11, -8, +6, +12; see number lines
- 378 pounds
- 49 years old

Set 19:

- 21, 147, 441
- 21, 33, 45
- 11, 7, 3
- The sides and angles are congruent
- 6 faces
- Equilateral triangle
- A line segment that connects 2 points on the boundary of a circle and passes through the center.
- A polygon with five sides and five vertices
- 145 pounds
- \$90.00

Set 20:

- 75, 375
- 72, 36, 18
- 784, 774, 764
- Triangles; 6
- Isosceles triangle
- Right triangles
- A quadrilateral; answers will vary
- Pentagon
- Yes, by .75 ounces
- 252 miles

Set 21:

- 80 bricks
- Answers will vary;
8:30 - 8:50 bus ride
8:50 - 9:00 unload bus
9:00 - 11:30 tour
11:30 - 12:15 lunch
12:15 - 2:30 small groups
2:30 - 3:00 bus to school
- $\frac{6}{9}$ or $\frac{2}{3}$
- \$27.90
- D (1, 1); F (2, 3)
- a. 210 mm;
b. 78 cm
c. 5.0 cm
- Shaquille's by 1 foot
- 30 students; apple
- Jump 2 by 3 in.
- answers will vary

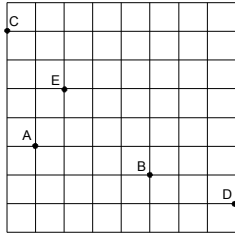
Set 22:

- Rebecca; answers will vary
- $2x15 + 3x10 + 5$
- 85; 76; median but answers will vary
- Angle p
- \$4.50
- 18 cm
- \$190.40
- 24 in.
- Right rectangular prism
- F, H, N Z

Set 23:

- No
- Yes
- No
- Answers will vary
- Arrow points sideways; answers will vary
- Arrow points left; answers will vary
- 24 ft.
- 948 people
- 65 ft.
- 20 years old

Set 24:

- 
- A(5,2); D(2,3); K(1,5); P(3,4); Z(4,1)
- 5,000
- About \$800
- 56 miles
- Answers will vary
- 4.5 liters
- \$15.12
- 2000; 1000; 200; 20
- 4 hours and 10 minutes

Set 25:

- (0, 5) and (3, 5)
- \$19.49
- T
- Figure 1
- 2 more cookies
- 43
- $10 - (2 + 7) \div 1 = 1$
- Meters
- 19; add eight
- Isosceles

Set 26:

- Circle A
- Answers will vary
- 6 outfits
- About 10 mi.
- \$5.00
- 20 squares
- 25 sq. feet
- 114°
- 10 marbles
- 21 tiles

Set 27:

- \$2.39
- $6/16$ or $3/8$
- \$107.85; \$154.47
- 70 min; 4:50 pm
- See diagrams; obtuse scalene triangle
- 6 miles
- \$1.75
- 8100 minutes
- 10
- 36; 45

Set 28:

- $2,000,000 + 400,000 + 30,000 + 1,000 + 500 + 70 + 4$
- 7,631,891
- 23 cm
- \$3.50
- \$0.99
- Answers will vary
- Answers will vary; Answers will vary
- Curtis is 4, Natalie is 10, and Coral is 15
- Yes, with a stacked bar graph

10.

Input	Output
125	110
126	111
127	112
128	113
129	114
130	115
131	116
132	117

Set 29:

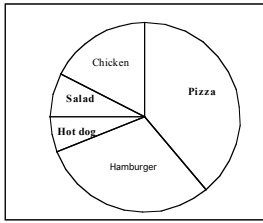
- $t = 95^\circ$
- $p = 43$
- $n = 23$
- $t = 8$
- $5 * y = 75$;
 $y = 15$
- $6 * 7 = d$;
 $d = 42$
- $136 - b = 14$;
 $b = 122$
- bar graph; answers will vary
line graph; answers will vary
- Convention says you read a number using the lowest place value
- Tenths
- 9499.50

Set 30:

- $p = 66$
- 50 minutes
- $450 * 6 = x$; $x = 2700$
- $210 \div 3 = t$; $t = 70$
- $g = 14$
- \$3000
- \$3600
- Answers will vary
- Answers will vary
- \$16.75

Set 31:

1. 5×6 , 6×7 , 8×9 , or 9×10
2. More than 200 kg
3. 173
4. 30 students
5. \$2.49
6. See graphs; median = 85; mode = 90
7. \$54.75
8. Answers will vary
9. 25 grams
- 10.

**Set 32:**

1. 7364
2. Any number greater than or equal to 29
3. 1.7 inches wide
4. \$3.95
5. 7 pages
6. Line graph, but answers could vary
7. Upside down L; see pictures
8. See pictures; 28 squares
9. About 7 hours
10. \$5.20

Set 33:

1. \$2.95
2. E see explanation;
3. D see explanation
4. 11/21
5. 400, 401, 402, 403, 404
6. (4, 4)
7. 15,537.9; odometers only read in tenths of a mile
8. 2354.27
9. $20 - (6 \times 2) + (9 \div 3) = 11$; answers will vary
10. 6 in.; 2.5 in.; 3.5 in.

Set 34:

1. 11,844 cars
2. \$8.55
3. 12 feet
4. 12.20 mpg
5. 13 each with 25 left over
6. 33
7. 0.4, 0.7, 1.1, 1.5, 1.9; see number line
8. 8 1/2 hours
9. 2/5
10. 43.1 miles

Set 35:

1. 96 apartments
2. 43 feet
3. 7 1/2 miles
4. 12 hamburgers
5. \$16.37
6. 15 tables
7. 12
8. 1 hour 23 min.
9. 32
10. \$2.50

Set 36:

1. a gallon; answers will vary
2. millimeter; answers will vary
3. \$4.53
4. 9 laps; answers will vary
5. \$142.60
6. 48, 96, 192
7. answers will vary
8. $7,000,000 + 500,000 + 40,000 + 3,000 + 90 + 6$
9. 5/8
10. $9 * b = 63$
 $b = 7$