

Grade 6



Answer Key of Top 100 Word Problems

01 12	26 \$70 profit	51 \$36	76 A(2,3); B(-1,4); C(-3,-2)
02 4 : 6	27 6°C	52 16 mph	77 6 units
03 2	28 33	53 55 mph	78 60 in
04 Equal (60 mph each)	29 7	54 \$0.50	79 54
05 45 mph	30 $x > 12$	55 0.75 cup	80 1
06 \$2.20/lb	31 5	56 \$15 profit	81 18°F
07 80 mph	32 40 ft ²	57 6	82 24 books
08 \$1.25	33 46 in	58 -6°C	83 189 students
09 56	34 216 cm ²	59 Quadrant I	84 40 students
10 120	35 240 cm ³	60 Example: What is the range of the plants' heights?	85 75%
11 4 : 6	36 66 m ²	61 4°F	86 \$60
12 \$20; \$60	37 A(-3,2); B(4,-1); C(0,3)	62 545 ft	87 \$296.80
13 15 acres	38 6 units	63 \$17 profit	88 \$66.08
14 -6°C	39 86.67 in	64 25 points	89 \$368
15 $12(4) + 3 = \$51$	40 14	65 6	90 \$36
16 20 m; 24 m ²	41 5	66 $2n + 7$	91 16 strawberries
17 5 units	42 28°F	67 14	92 30 mpg
18 Mean 84.6; Median 85; Mode 78; Range 14	43 8 dogs	68 13	93 63 mph
19 60 mph	44 21 blue marbles	69 $x > 19$	94 1/2 cup
20 \$424	45 10 : 15	70 8	95 8.03 miles
21 \$15; \$75	46 \$1.50	71 96 m ²	96 6°C
22 \$48; \$272	47 21	72 48 ft	97 3 cm
23 3/5	48 \$60	73 294 cm ²	98 63 cm ²
24 1.50 cups	49 \$695.50	74 2,400 in ⁴	99 6 units
25 1 3/20 miles	50 \$6.30	75 98 cm ²	100 82

Important notes:

4 — Both cars travel at 60 mph, so neither rate is greater.

15 — The total is $4 \times \$12 + \$3 = \$51$.

45 — The equivalent ratio is 10 : 15.

60 — This is an open-ended statistical-question prompt; the image gives one valid example.

63 — $\$102 - \$85 = \$17$ profit.

79 — Ordered scores are 48, 50, 52, 54, 56, 58, 60 → median 54.

87-90 — Sales tax, tip, increase, and decrease were calculated from the stated percentages.