

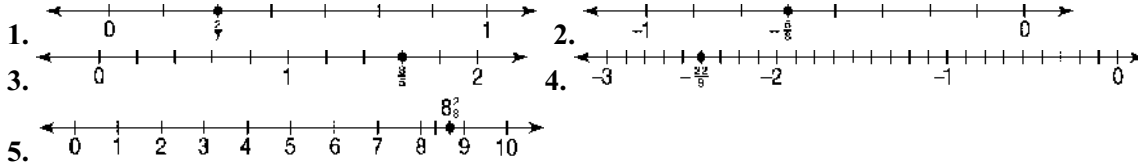
Answers

Module 1

1.1.1

1. $\frac{6}{7}$ 2. $\frac{1}{5}$ 3. $\frac{4}{9}$ 4. $\frac{45}{77}$ 5. $\frac{13}{17}$

1.1.2



1.1.3

1. $\frac{2}{5}$ 2. $\frac{1}{3}$ 3. $-\frac{12}{25}$ 4. $\frac{12}{25}$ 5. $-\frac{1}{2}$

1.1.4

1. 105 2. 72 3. 350 4. 270 5. 180

1.1.5

1. $\frac{9}{21}$ 2. $\frac{60}{96}$ 3. $\frac{10}{15}$ 4. $\frac{78}{91}$ 5. $\frac{406}{725}$

1.1.6

1. < 2. > 3. > 4. = 5. >

1.1.7

1. $\frac{1}{6}$ 2. $\frac{23}{20}$ 3. $\frac{1}{5}$ 4. $\frac{1}{36}$ 5. $\frac{65}{18}$

1.1.8

1. $\frac{3}{20}$ 2. $\frac{27}{10}$ 3. $\frac{7}{4}$ 4. $\frac{4}{5}$ 5. $\frac{5}{54}$

1.1.9

1. $\frac{1}{512}$ 2. $\frac{9}{4}$ 3. $\frac{1024}{16,807}$ 4. $\frac{196}{225}$ 5. $\frac{1}{10,000,000}$

1.1.10

1. $\frac{11}{14}$ 2. $\frac{1}{21}$ 3. $\frac{37}{12}$ 4. $\frac{7}{30}$ 5. $\frac{7}{400}$

1.1.11

1. $11\frac{1}{8}$ pounds 2. $\frac{7}{20}$ fluid ounces 3. $3\frac{7}{8}$ cups 4. $\frac{3}{256}$ miles 5. 6 pounds

1.2.1

1. tenths 2. ten-thousandths 3. hundredths 4. hundred-thousandths 5. millionths

1.2.2

1. < 2. > 3. > 4. < 5. >

1.2.3

1. 5.7 2. 6.45 3. 23.0003 4. 23.007 5. -28.597

1.2.4

1. 33.92 2. 8.76 3. 11.59 4. 46.2672 5. -28.624

1.2.5

1. 0.0625 2. 12.96 3. -2.56 4. 2.56 5. 0.00484

1.2.6

1. 15.32 2. 27.04 3. -90.6 4. 95.85 5. -200.475

1.2.7

1. 6.03 2. 24.0 3. 46.9183 4. 46.9182736 5. 7.00

1.2.8

1. 3 2. 315 3. 120 4. \$108 5. \$3.40

1.2.9

1. $\frac{2}{5}$ 2. $\frac{17}{25}$ 3. $\frac{13}{40}$ 4. $\frac{4}{125}$ 5. $\frac{501}{2500}$

1.2.10

1. 0.7 2. 0.029 3. 0.68 4. 15.75 5. 7.15

1.2.11

1. \$3.39 2. 2.8°F 3. \$302.44 4. \$164.98 5. \$1.45

1.3.1

1. 8 parts of 100 2. greater than 3. less than 4. yes 5. no

1.3.2

1. 25% 2. $37\frac{1}{2}\%$ 3. $43\frac{3}{4}\%$ 4. $41\frac{2}{3}\%$ 5. 475%

1.3.3

1. $\frac{7}{100}$ 2. $\frac{1}{20}$ 3. $\frac{26}{5}$ 4. $\frac{3}{5}$ 5. $\frac{1}{9}$

1.3.4

1. 87% 2. 3% 3. 15% 4. 240% 5. 15.5%

1.3.5

1. 0.16 2. 0.09 3. 0.034 4. 4 5. 0.005

1.3.6

1. 0.55, 55% 2. $\frac{6}{25}$, 0.24 3. $\frac{1}{4}$, 0.25 4. 0.875, 87.5% or $87\frac{1}{2}\%$ 5. $\frac{22}{25}$, 88%

1.3.7

1. 168 2. 300 3. 1053 4. 7500 5. 0.36

1.3.8

1. 8% 2. 32% 3. $7\frac{1}{2}\%$ or 7.5% 4. 7% 5. 20%

1.3.9

1. 5% 2. 1025 registered voters 3. \$145 4. 300 milliliters 5. \$5.12

1.4.1

1. $\frac{5}{24}$, 5:24 2. $\frac{5}{19}$, 5:19 3. $\frac{12}{19}$, 12:19 4. $\frac{7}{12}$, 7:12 5. $\frac{9}{5}$, 9:5

1.4.2

1. $\frac{1}{4}$ 2. $\frac{1}{3}$ 3. $\frac{9}{1}$ 4. $\frac{1}{4}$ 5. $\frac{4}{1}$

1.4.3

1. \$0.515/can 2. 63.6 miles/hour 3. 31.25 miles/gallon 4. 64.25 words/minute
5. 7.5 revolutions/second

1.4.4

1. 30 roses for \$60 2. 6 tacos for \$7.50 3. 24 bottles of water for \$2.99 4. 6-month lease for \$8850
5. 2-pound bag for \$2.99

1.5.1

1. {135} 2. {60} 3. {35.2} 4. {3} 5. {-5}

1.5.2

1. 39 2. 64 3. 26 4. 11 5. $12\frac{1}{2}$ tablespoons

1.6.1

1. 16 ounces 2. 8 fluid ounces 3. 12 inches 4. 2000 pounds 5. 4 quarts

1.6.2

1. $8\frac{1}{2}$ quarts 2. 116 ounces 3. 1280 fluid ounces 4. 132 feet/second 5. 256 fluid ounces/second

1.6.3

1. 1000 2. 1000 3. 1000 4. 1000 5. 0.001

1.6.4

1. 0.75 liters 2. 1200 grams 3. 0.0012 kilograms 4. 30 meters/second 5. 175 milliliters/second

1.6.5

1. 34.1 liters 2. 275 pounds 3. 322 kilometers 4. 280.5 fluid ounces 5. 4.0 kilograms

1.6.6

1. 15,840 feet on each side 2. Yes 3. 5 inches 4. 20 lawns 5. 80,784,000 gallons

1.7.1

1. a, b, c, d 2. d 3. e 4. d 5. b, c, d

1.7.2

1. 5 2. 13 3. 28 4. $\frac{9}{16}$ 5. $\frac{7}{11}$

1.7.3

1. 1.41 2. 17.32 3. 0.71 4. 51.52 5. 12.65

1.7.4

1. $-5x+95$ 2. $(6 \cdot 9) \cdot x = 54x$ 3. $-42x+56$ 4. $-16x-22$
5. No; examples will vary: $8-3=5$ but $3-8=-5$

1.7.5

1. -820 2. 160 3. -89 4. -285 5. 23

1.7.6

1. \$225 2. \$7485 3. $10\frac{1}{16}$ pounds 4. 15 fluid ounces 5. \$20.08