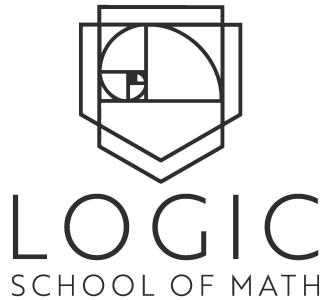


Summer Review

Find each sum.

1) $4 + (-6)$

2) $(-3) + 5$



3) $5 + (-7)$

4) $(-8) + (-1)$

5) $3 + (-3)$

6) $(-4) + 2$

7) $(-2) + (-4)$

Find each difference.

8) $(-4) - (-6)$

9) $1 - (-7)$

Evaluate each expression.

$$10) (-5) + (-5)$$

$$11) (-5) - (-8)$$

$$12) 6 - (-8) + 1 + (-8)$$

$$13) 3 + 8 + (-8) + 4$$

$$14) (-4) - (-3) - (-8) + 3$$

$$15) 3 - (-7) + 5 + (-7)$$

Find each product.

$$16) 3 \times 8$$

$$17) 4 \times 9$$

$$18) 8 \times 3$$

$$19) 8 \times 4$$

$$20) 7 \times 7 \times 4$$

$$21) 3 \times 5 \times 10$$

$$22) \ 6 \times 3 \times 8$$

$$23) \ 2 \times 9 \times 9$$

$$24) \ -3 \times 2 \times 2 \times 4$$

$$25) \ -3 \times -1 \times 9 \times 6$$

$$26) \ 10 \times -6 \times 6 \times -9$$

$$27) \ -9 \times 10 \times 10 \times 8$$

$$28) \ -5 \cdot 9 \cdot -2 \cdot -1$$

$$29) \ 8 \cdot 6 \cdot -10 \cdot -8$$

$$30) \ 6 \cdot -4 \cdot -6 \cdot -5$$

$$31) \ 3 \cdot 3 \cdot -5 \cdot -8$$

$$32) \ -7.8 \times 6.8$$

$$33) \ 9.098 \times -7.2$$

$$34) -4.7 \times -0.436$$

$$35) -7.8 \times -9.6$$

$$36) (0.6)(-8.3)$$

$$37) (0.2)(-5.2)$$

$$38) (0.3)(-8)$$

$$39) (8)(-8.3)$$

$$40) 4.91 \cdot -0.1$$

$$41) -2.4 \cdot 5.53$$

$$42) 6.4 \cdot -4.2$$

$$43) 0.1 \cdot -3.73$$

Find each quotient.

$$44) 2 \div \frac{7}{9}$$

$$45) \frac{7}{9} \div \frac{-1}{3}$$

$$46) \frac{-7}{4} \div \frac{-1}{2}$$

$$47) \frac{-19}{10} \div \frac{-1}{5}$$

Write each as a percent. Use repeating decimals when necessary.

$$48) \frac{238}{333}$$

$$49) \frac{1}{4}$$

$$50) \frac{1}{3}$$

$$51) 4\frac{21}{100}$$

$$52) 0.276$$

$$53) 0.36$$

$$54) 0.71$$

$$55) 0.09$$

56) 0.506

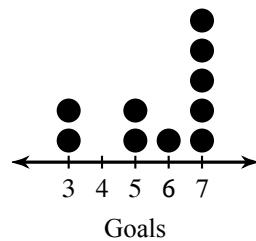
57) 0.03

Find the mode, median, mean, and range for each data set.

58) # Words in Book Titles

4	3	2	2	2	3	2	5
4	1						

59) Goals in a Hockey Game



60)

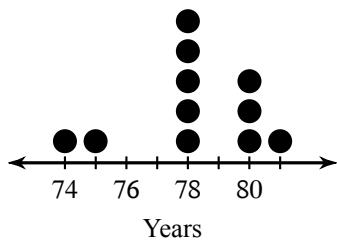
Nobel Laureates

Name	Age
Christopher Antoniou Pissarides	62
Thomas Robert Cech	42
Joseph Eugene Stiglitz	58
Frederik Willem de Klerk	57

Name	Age
Leszek "Lech" Wałęsa	40
Gao Xingjian	60
Robert Emerson Lucas Jr.	58
Muhammad Yunus	66

Name	Age
Robert Alexander Mundell	67
David Morris Lee	65
Samuel Chao Chung Ting	40

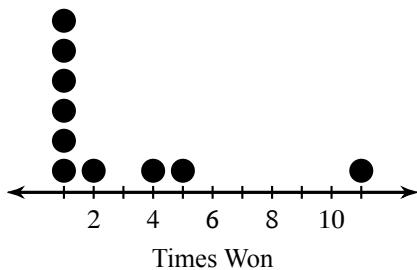
61) Life Expectancy by State



62) Test Scores

47	34	57	51	54	47	44
42	51	56				

63) Times Winning the Basketball Tournament



Write the name of each decimal place indicated.

64) 34.500

65) 1,476,789

66) 3,450,686

67) 3.8476535

68) 554

69) 18.69

70) 186.9

71) 97.4504327

State if each pair of ratios forms a proportion.

$$72) \frac{4}{3} \text{ and } \frac{20}{9}$$

$$73) \frac{12}{9} \text{ and } \frac{4}{3}$$

$$74) \frac{3}{2} \text{ and } \frac{12}{6}$$

$$75) \frac{16}{12} \text{ and } \frac{4}{3}$$

$$76) \frac{4}{2} \text{ and } \frac{12}{6}$$

Solve each proportion.

$$77) \frac{8}{7} = \frac{k}{4}$$

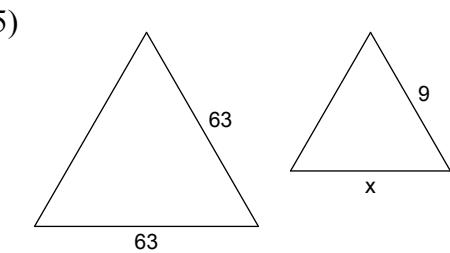
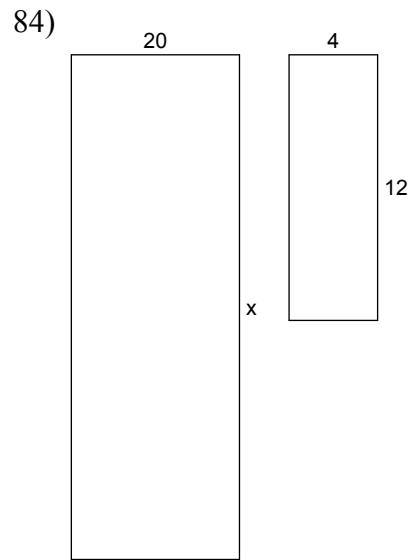
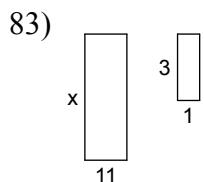
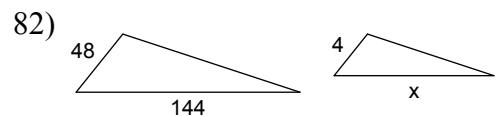
$$78) \frac{8}{3} = \frac{9}{n}$$

$$79) \frac{b}{5} = \frac{5}{8}$$

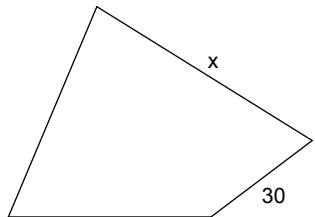
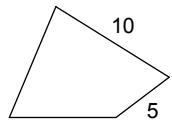
$$80) \frac{8}{x} = \frac{2}{7}$$

81) $\frac{x}{10} = \frac{10}{5}$

Each pair of figures is similar. Find the missing side.



86)

**Find each square root.**

87) $\sqrt{64}$

88) $\sqrt{0}$

89) $\sqrt{49}$

90) $\sqrt{1}$

91) $\sqrt{25}$

92) $\sqrt{144}$

93) $\sqrt{36}$

94) $\sqrt{121}$

Answers to Summer Review

- | | | | |
|--|---|--|--|
| 1) -2 | 2) 2 | 3) -2 | 4) -9 |
| 5) 0 | 6) -2 | 7) -6 | 8) 2 |
| 9) 8 | 10) -10 | 11) 3 | 12) 7 |
| 13) 7 | 14) 10 | 15) 8 | 16) 24 |
| 17) 36 | 18) 24 | 19) 32 | 20) 196 |
| 21) 150 | 22) 144 | 23) 162 | 24) -48 |
| 25) 162 | 26) 3240 | 27) -7200 | 28) -90 |
| 29) 3840 | 30) -720 | 31) 360 | 32) -53.04 |
| 33) -65.5056 | 34) 2.0492 | 35) 74.88 | 36) -4.98 |
| 37) -1.04 | 38) -2.4 | 39) -66.4 | 40) -0.491 |
| 41) -13.272 | 42) -26.88 | 43) -0.373 | 44) $\frac{18}{7}$ |
| 45) $-\frac{7}{3}$ | 46) $\frac{7}{2}$ | 47) $\frac{19}{2}$ | 48) $71.\overline{471}\%$ |
| 49) 25% | 50) $33.\overline{3}\%$ | 51) 421% | 52) 27.6% |
| 53) 36% | 54) 71% | 55) 9% | 56) 50.6% |
| 57) 3% | 58) Mode = 2, Median = 2.5,
Mean = 2.8 and Range = 4 | 59) Mode = 7, Median = 6.5,
Mean = 5.7 and Range = 4 | |
| 60) Mode = 40 and 58, Median = 58, Mean = 55.91 and Range = 27 | | | |
| 61) Mode = 78, Median = 78,
Mean = 78.18 and Range = 7 | | 62) Mode = 47 and 51, Median = 49,
Mean = 48.3 and Range = 23 | |
| 63) Mode = 1, Median = 1, Mean = 2.8 and
Range = 10 | | 64) ones | 65) ten thousands |
| 66) millions | 67) millionths | 68) hundreds | 69) tens |
| 70) ones | 71) millionths | 72) No | 73) Yes |
| 74) No | 75) Yes | 76) Yes | 77) $\begin{cases} 32 \\ \hline 7 \end{cases}$ |
| 78) $\begin{cases} 27 \\ \hline 8 \end{cases}$ | 79) $\begin{cases} 25 \\ \hline 8 \end{cases}$ | 80) {28} | 81) {20} |
| 82) 12 | 83) 33 | 84) 60 | 85) 9 |
| 86) 60 | 87) 8 | 88) 0 | 89) 7 |
| 90) 1 | 91) 5 | 92) 12 | 93) 6 |
| 94) 11 | | | |