



Write these numbers in expanded form.

- **Instructional Video Links:** [Writing Decimals in Expanded Form](#) [Whole Numbers in Expanded Form](#)
- **Extra Practice Links:** [Place Value](#) [Expanded Form](#)

1. 74.673 \_\_\_\_\_

2. 6,016,061 \_\_\_\_\_

3. 9997 \_\_\_\_\_

4. 2193 \_\_\_\_\_

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Round the number to the place value of the underlined digit.

- **Instructional Video Links:** [Rounding Whole Numbers](#) [Rounding Decimals](#)  
[Rounding Decimals using number lines](#)
- **Extra Practice Links:** [Rounding Whole Numbers](#) [Round Decimals](#)

5. 38,593

\_\_\_\_\_

6. 29,999

\_\_\_\_\_

Round the decimal as specified.

7. 31.54 (nearest tenth)

\_\_\_\_\_

8. 46.373 (nearest hundredth)

\_\_\_\_\_

9. 92.76 (nearest tenth)

\_\_\_\_\_

10. 59.883 (nearest hundredth)

\_\_\_\_\_



Test the number for divisibility by 2, 3, 5, 6, 9, and 10.

- Instructional Video Link:** [Divisibility Rules](#)
- Extra Practice Link:** [Divisibility Rules](#)

Multiple choice.

11. 270

[A] 2, 5, 6, 10

[C] 3, 5, 9

[B] 2, 3, 5, 6, 9, 10

[D] Not divisible by factors listed.

12. 369

[A] 3, 9

[C] 3, 5, 9

[B] 2, 5, 6, 10

[D] Not divisible by factors listed.

Test the number for divisibility by 2, 3, 5, 6, 9, and 10.

13. 425 \_\_\_\_\_

14. 589 \_\_\_\_\_

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Write the mixed number as an improper fraction or the improper fraction as a mixed number.

- Instructional Video Links:** [Converting Mixed to Improper](#)      [Improper to mixed](#)

- Extra Practice Links:** [Convert Mixed to Improper](#)      [Convert improper to mixed](#)

15.  $\frac{33}{4}$

17.  $4\frac{2}{3}$

19.  $\frac{25}{7}$

16.  $\frac{47}{8}$

18.  $7\frac{1}{6}$

20.  $\frac{19}{5}$



Find the sum, difference, product, or quotient.

•**Instructional Video Links:** [Adding Decimals](#) [Subtracting Decimals](#)

•**Extra Practice Links:** [Multiplying Decimals](#) [Dividing Decimals](#)

[Adding](#) [Subtracting](#) [Multiplying](#) [Dividing](#)

21.  $443.41 - 16.8$

25.  $12.5 \times 8$

22.  $648.46 - 19.8$

26.  $10 \times 56.89$

23.  $46.954 + 6.69$

27.  $533.8 \div 34$

24.  $36.454 + 8.69$

28.  $19 \div 3.8$



Find the sum, difference, or product. Simplify if possible.

•**Instructional Video Links:** [Finding Common Denominators](#) [Add/Subtract with unlike denominators](#)

[Add/Subtract with like denominators](#) [Multiplying Fractions](#)

•**Extra Practice Links:** [Add and Subtract Fraction Word Problems](#) [Multiplying mixed numbers](#)

29.  $\frac{10}{13} - \frac{8}{13}$

33.  $7 + \frac{5}{9}$

30.  $\frac{2}{3} + \frac{1}{4}$

34.  $6 \times \frac{2}{3}$

31.  $4 - \frac{2}{5}$

35.  $\frac{2}{3} \times \frac{9}{10}$

32.  $9\frac{1}{2} + 1\frac{4}{7}$

36.  $\frac{5}{8} \times 2\frac{1}{3}$



Practice Word Problems: [Mixed Operation Word Problems](#)

37. Camien wants to ride the Ferris wheel, the roller coaster, and the log ride. The Ferris wheel costs 5 tickets, the roller coaster costs 7 tickets and the log ride costs 1 ticket. Camien has 5 tickets. How many more tickets should Camien buy?

38. There are 13 seats in each section of a theater. If there are 30 sections in the theater, how many seats are in the theater?

39. Suppose your savings account has a balance of \$57.72. You deposit \$33.97 and withdraw \$32.90. What is the new balance?

40. If 6 buttons are used in each shirt, about how many shirts can be made using 363 buttons?



Find the sum, difference, product or quotient.

(Math 6 and TPA)

**•Instructional Video Links:**

[Adding Multi-digit Numbers](#) [Multiply Multi Digit](#) [Dividing Multi-Digit Numbers](#)

[Subtracting Multi-Digit Numbers](#)

**Extra Practice Link:** [Mixed Operations](#)

41.  $556 + 374 + 242$

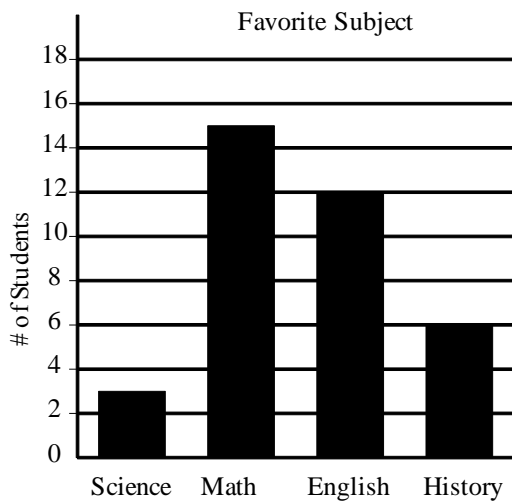
44.  $463 \times 54$

42.  $7143 - 2784$

45.  $3489 \div 6$

43.  $2537 + 267$

46.  $767 \times 236$



**Instructional Video Links:**

[Bar Graphs](#)

[Line Graphs](#)

**Extra Practice Links:**

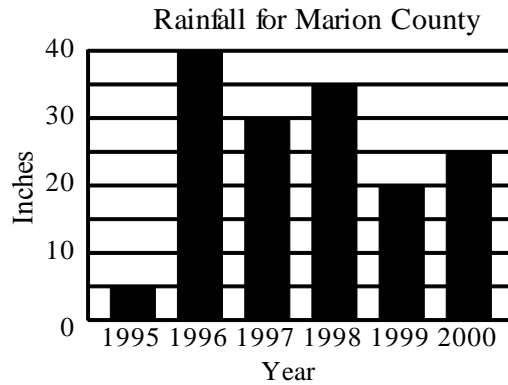
[Bar Graphs](#)

[Line Graphs](#)

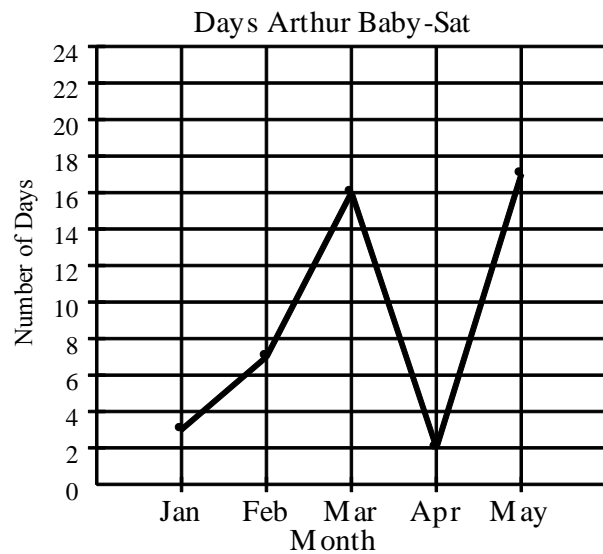
47. Altogether, how many students said math or English was their favorite subject?



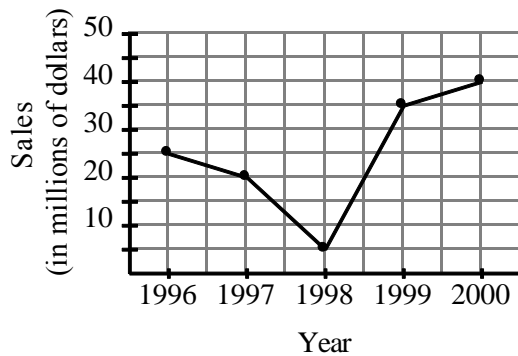
48. Find the difference in rainfall between 1995 and 2000.



49. How many days did Arthur baby-sit in March?



50. The graph below shows sales (in millions of dollars) for the XYZ Corporation. How much greater were sales in 1999 than in 1998?





Evaluate the following expressions

**Instructional Video Link:** [Order of Operations](#)

**Extra Practice Link:** [Order of Operations](#)

51.  $(20 + 12) \div 4 =$

52.  $(67 - 18) \div 7 \times 3 =$

53.  $50 + 6 \times (11 - 4) =$

54.  $50 + 6 \times 11 - 4 =$

55.  $9 \times (12 - 8) + 28 \div 7 =$

56.  $18 - (21 - 5) \div (22 - 18) =$



**ANSWER KEY**

- 1)  $7 \times 10 + 4 \times 1 + 6 \times 0.1 + 7 \times 0.01 + 3 \times 0.001$
- 2)  $6 \times 1,000,000 + 1 \times 10,000 + 6 \times 1000 + 6 \times 10 + 1 \times 1$
- 3)  $9 \times 1000 + 9 \times 100 + 9 \times 10 + 7 \times 1$
- 4)  $2 \times 1000 + 1 \times 100 + 9 \times 10 + 3 \times 1$
- 5) 39,000
- 6) 30,000
- 7) 31.5
- 8) 46.37
- 9) 92.8
- 10) 59.88
- 11) B. 2, 3, 5, 6, 9, 10
- 12) A. 3, 9
- 13) 5
- 14) Not divisible by factors listed
- 15)  $8\frac{1}{4}$
- 16)  $5\frac{7}{8}$
- 17)  $\frac{14}{3}$
- 18)  $\frac{43}{6}$
- 19)  $3\frac{4}{7}$
- 20)  $3\frac{4}{5}$
- 21) 426.61
- 22) 628.66
- 23) 53.644
- 24) 45.144
- 25) 100
- 26) 568.9
- 27) 15.7
- 28) 5
- 29)  $\frac{2}{13}$
- 30)  $\frac{11}{12}$
- 31)  $3\frac{3}{5}$
- 32)  $11\frac{1}{14}$



33)  $7\frac{5}{9}$

34) 4

35)  $\frac{3}{5}$

36)  $1\frac{11}{24}$

37) 8 tickets

38) 390 seats

39) \$58.79

40) 60 (not 60.5 or 61 because you cannot make  $\frac{1}{2}$  a shirt or a shirt with 3 buttons)

41) 1,172

42) 4,359

43) 2,804

44) 25,002

45) 581 remainder 3 **OR**  $581\frac{1}{2}$  **OR** 581.5

46) 181,012

47) 27 students

48) 20 inches

49) 16

50) 30,000,000

51) 8

52) 21

53) 92

54) 112

55) 40

56) 14