

Name: _____
Period: _____ Date: _____

Are You Ready for 7th grade?

1) $\frac{5}{9}$
Write as a decimal: _____

(Round to five decimal places)

Answer:

3) Write as a percent: 0.135

Answer:

5) Write as a decimal: 67%

Answer:

2) Write as a fraction: 0.16

Answer:

4) Write as a fraction: 24%

Answer:

6) Write as a fraction: 0.95

Answer:

7)

12

Convert to a decimal: $\frac{12}{23}$

23

(Round to 5 decimal places)

Answer:

Graph:8) $\frac{2}{5}$ 

Answer:

Solve:9) 43 lamps for \$9
(round to 2 decimal places)

10) There are 140 students on a bus filled with 144 people. What is the ratio of students to total people?

Answer:

Answer:

- 11) A display case of video games are marked 20 for \$1. If Ruth wants to buy 400 video games, how much will Ruth spend (not including tax)?

Answer:

Solve. Explain how you get the answer without using a calculator:

12) The absolute value of $-30 =$

13) $9 + 13 =$

Answer:

14) $-19 - 4 =$

Answer:

- 15) How do you multiply a positive number and a positive number?

Answer:

16) $33 \div 11 =$

Answer:

Answer:

Solve:

17) Is 596760 divisible by 10?

18) Is 647368 divisible by 8?

Answer:

19) Is 59175 divisible by 3?

Answer:

20) Is 241430 divisible by 11?

Answer:

Answer:

Create a factor tree:

21) 270

Answer:

22) What is the GCF of 60 and 90?

Solve:

23) What is the LCM of 12 and 1?

Answer:

Answer:

- 24) Write the following numbers in order from greatest to least:
70, 92, 78

Answer:

- 26) Write the following numbers in order from least to greatest:
85.686, 27.9, 30.9

Answer:

- 28) Write the following numbers in order from least to greatest:
0.78%, 0.47%, 10%

Answer:

- 25) Write the following numbers in order from least to greatest:

21 44 13

$\frac{1}{32}$, $\frac{1}{3}$, $\frac{1}{11}$

32 3 11

Answer:

- 27) Write the following fractions in order from greatest to least:
(Assume each figure is equal to one when completely shaded):



Answer:

- 29) Write the following numbers in order from greatest to least:
-49, -21, 24

Answer:

Graph:

30) 3



Answer:

Solve. Explain how you get the answer without using a calculator:

31) $|31| =$

Answer:

Graph:

32) $|-2|$



Answer:

Solve:

33) $\frac{3}{6} + \frac{3}{6}$

34) $\frac{3}{4} - \frac{3}{4}$

Answer:

35) $\frac{1}{2} + 5$

Answer:

36) $\frac{11}{7} - 1$

Answer:

37) Will $\frac{1}{3}$ increase or decrease if multiplied by 2?

Answer:

38) $\frac{1}{5} \cdot \frac{3}{5}$

Answer:

39) $2 \div \frac{3}{10}$

Answer:

40) $9.193 \div 7.177 =$

Answer:

41) Jade wants one half of five cherry pies. How

Answer:

42) Dan wants to divide eight cherry pies into one

much cherry pie would Jade get?

eighth sized shares. How many shares would Dan get?

Answer:

Answer:

Approximate (to 2 decimal places):

43) $\frac{51}{69}$

Answer:

Solve:

44) Yin spends between \$4.00 and \$4.80 for lunch every day. What is the best estimate of how much Yin will spend on lunch in a week?

45) You are told to go to the store to get 15 apples at \$5.56 each, 9 soda cans at \$2.79 each, and 14 hamburgers at \$4.53 each. How much money do you expect to spend?

Answer:

Answer:

46) What is 57% of 24?

47) You and your friends order a meal for \$147.76. How much tip should you leave if you want to leave a 18% tip?

Answer:

Answer:

- 48) You are told to go to the store to get 18 plums at \$2.70 each and 12 pears at \$5.35 each. Since you are in the state of Maine, sales tax is 5.0%. How much money do you expect to spend?
- 49) While shopping for a gift, you find the perfect pair of jeans on sale for 18% off its original \$35.97 price. How much will you pay for the pair of jeans?

Answer:

Answer:

- 50) Tim borrows \$190 at 1.7% simple interest per month. When Tim pays the loan back 7 years later, what is the total amount that Tim ends up repaying?
- 51) A pair of jeans was priced at \$1.45 last week. This week the same pair of jeans is priced at \$7.78. What is the percentage increase in price?

Answer:

Answer:

- 52) How many square meters are in 1 square kilometer?
- 53) How many milligrams are in 1 kilogram?

Answer:

Answer:

54) How many millileters are in 1 liter?

55) How many days are in 1 week?

Answer:

Answer:

What would you use to measure:

56) What would you use to measure the height of a lamp?

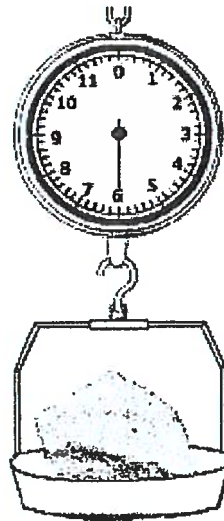
Answer:

Solve:

57) What units would you use to measure the length of a room?

58) You find a small pebble and weight it as shown. What would the weight of the pebble be?

Answer:



Answer:

59) What units would you use to find the area of a garden?

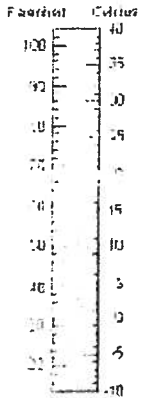
60) What units would you use to measure the gas you put in a car?

Answer:

Answer:

61) What is the temperature shown in Fahrenheit? 62)

What would you use to find how much a fence will hold?

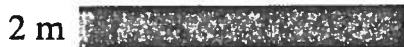


Answer:

Answer:

63) Find the area:

15 m



2 m

Answer:

Find the area:

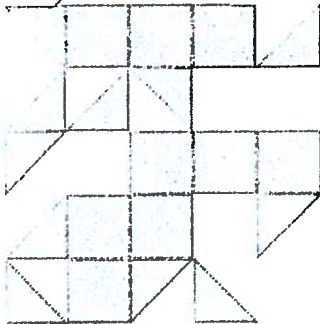
To print this page, set your options up to print background images.

64) Find the area of a right triangle with a base of 9 in and height of 4 in

Answer:

Solve:

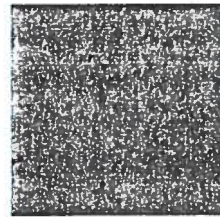
65) Find the area: (Squares have side length 1 unit)



66) Find the perimeter:

10 in

10 in



Answer:

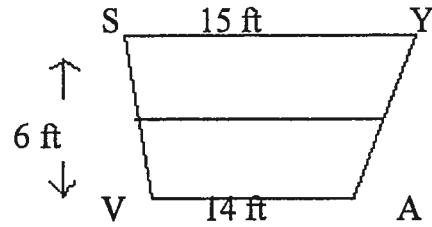
Answer:

Find the area:

To print this page, set your options up to print background images.

- 67) Find the area of a triangle with a base of 13 in and height of 12 in

Answer:



Answer:

- 69) Find the area of a parallelogram with a base of 15 ft and height of 15 ft

Answer:

Solve:

- 70) What is the area of a circle with radius of 15 cm?

Answer:

- 72) Classify the angle: $m\angle G = 146^\circ$

- 71) What is the circumference of a circle with diameter of 10 m?

Answer:

- 73)



What is the measure of the angle?

Answer:

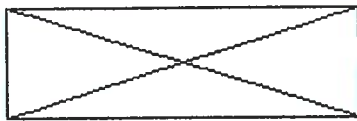
74) Draw a 45° angle:

Answer:

75) What is a polygon with 4 sides called?

Answer:

76) Does a rectangle (always, sometimes, or never) have the property that it has 3 sides?



Answer:

77) Draw a convex hexagon.

Answer:

Answer:

78) Are the segments congruent?

Segment #1: _____

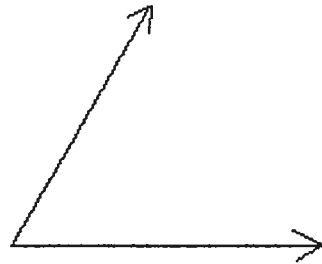
Segment #2: _____

Segment #3: _____

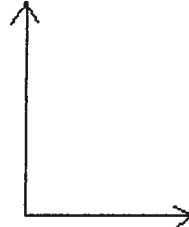
79) Are the angles congruent?

Answer:

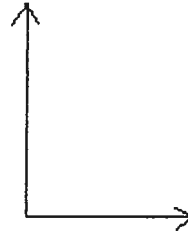
Angle #1:



Angle #2:



Angle #3:



Answer:

80) Which of the figures are congruent (if any)?

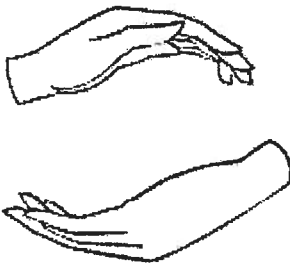


Figure #1:



Figure #2:

81) What does perpendicular mean?

Answer:

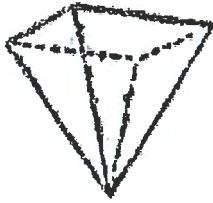
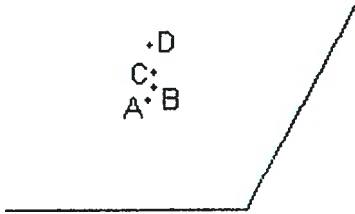


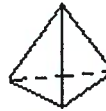
Figure #3:

Answer:

82) Which point is on the angle bisector?



83) Identify the figure:



Answer:

Answer:

84) Draw a pyramid with a pentagonal base

85)



Find the volume of the right rectangular prism with the length of 17, width of 16, and height of 12.

Answer:

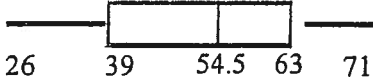
86)



Find the surface area of the right rectangular prism with the length of 17, width of 17, and height of 18.

Answer:

88) What is the lower quartile, upper quartile and median of:



Answer:

90) What was the minimum number of emails that was received?

Emails Received

Answer:

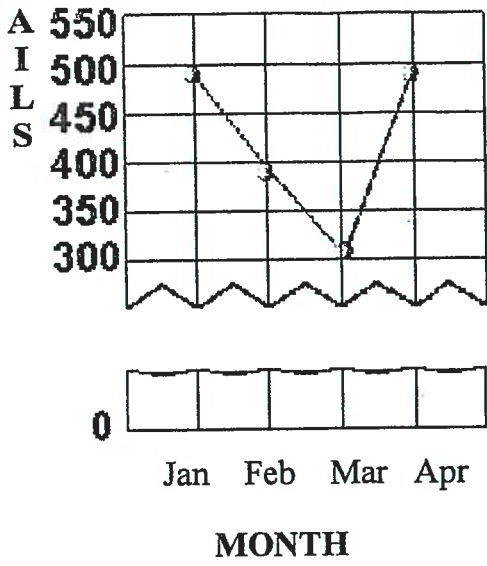
87) Draw a box and whiskers plot of:
86, 81, 72, 96, 85, 94, 76, 91, 76, 56, 57, 63

Answer:

89) Larry sold tickets all week long. On Monday, Larry sold 20 tickets. On Tuesday, he sold 15 tickets. Wednesday 12, Thursday 25, Friday 12, and on Saturday he sold 30 tickets. Make a line graph which represents this data.

Answer:

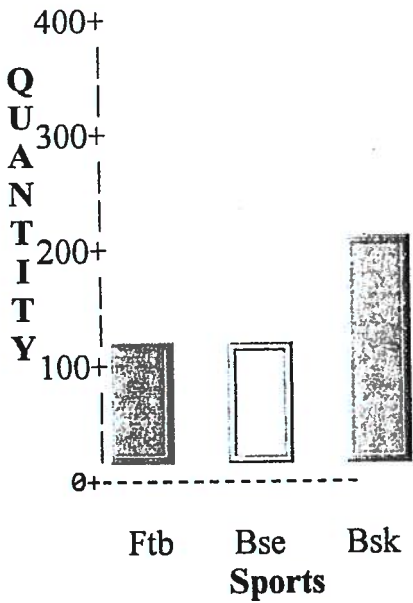
91) Ginger has bought 400 football sports cards, 300 baseball sports cards, 300 basketball sports cards, and 100 hockey sports cards. Create a vertical bar graph representing this information.



Answer:

Answer:

92) How many football cards were collected?
Sports Cards Collected



Answer:

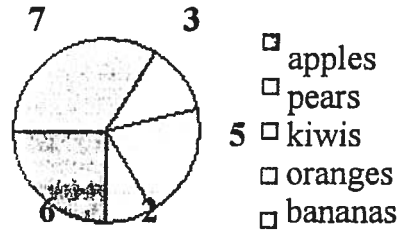
Solve:

To print this page, set your options up to print background images.

93) Yin ate several sweets over several days. Yin ate 5 candy bars, 3 ice cream cones, and 1 brownies. Create a circle graph representing this information.

94) Ivania bought how many oranges?

Ivania bought fruits

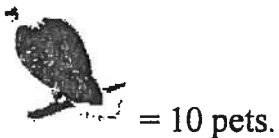


Answer:

Answer:

Solve:

95) Ivania collected 20 pets. Opal collected 25 pets. Make a pictograph of this information using the fact that

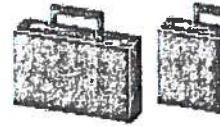


96) The following pictogram represents the number of luggage sold by several people. Who sold 5 luggage?

LUGGAGE SOLD



Rachel



where each  = 10 luggage

Answer:

Answer:

Solve:

- 97) Create a stem and leaf plot of:
44, 47, 48, 64, 40, 49, 45, 65, 60, 59, 38, 61

- 98) What is the lowest number that appears?

Stem | Leaves

0 | 2 3 5 6 9

1 | 0 6

2 | 0 0 0 5 5

Answer:

Answer:

- 99) Find the mean of:
16, 15, 17, 18, 18, 18, 17, 12, 18, 16, 17, 12

- 100) Find the median of:
20, 24, 24, 26, 20, 25, 23, 22, 24, 23, 22, 24

Answer:

Answer:

All rights reserved. This page is copyright 1998 Triple Threat Inc. Any violators will be prosecuted through full extent of the law.

