



Math Simplicity

1 13, 16, 19, ___ , ___ , 28

2 5, 10, 15, 20, ___ , ___ , 35, 40

3 What is the probability of you getting a “RED CARD” in a deck of cards?

4 Tossing a coin, what is the probability of getting a head?

5 Rolling a dice, what is the probability of getting a 4? Reduce if needed.

6 What is the Median of the following:

4 8 9 10 11

10 12 13 14 15 16

7 What is the Mean of the following:

90 80 60 40 80 80

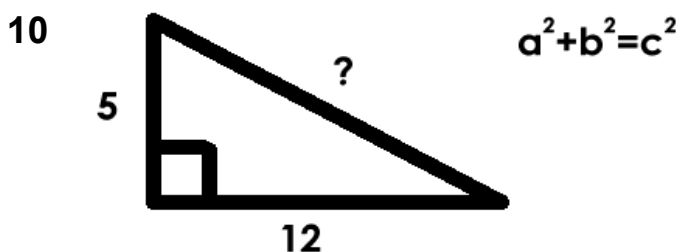
0 100 100 40 90 88

8 What is the Mode of the following:

20, 18, 18, 18, 19, 19, 19, 19, 22

10, 10, 10, 15, 20, 35, 35, 100, 100

9 Create a stem-leaf for problem # 8

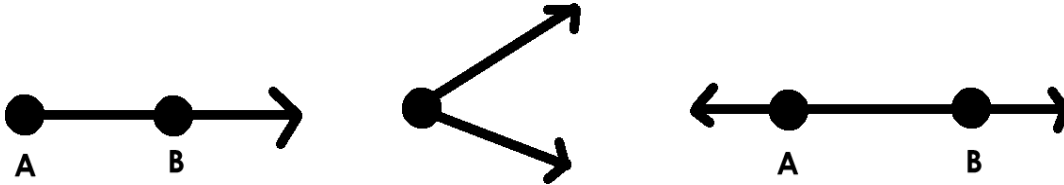


11 Give the degree for the following angles



12 Look at the above angles. Tell me what angle is Acute, Obtuse, Straight Line or Right Angle

13 What is this called

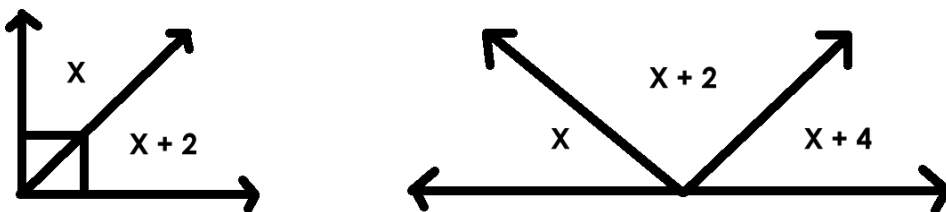


14 What does congruent means?
 What does symmetry means?
 What does supplementary mean? Draw example? Give Degree?
 What does complementary mean? Draw example? Give Degree?

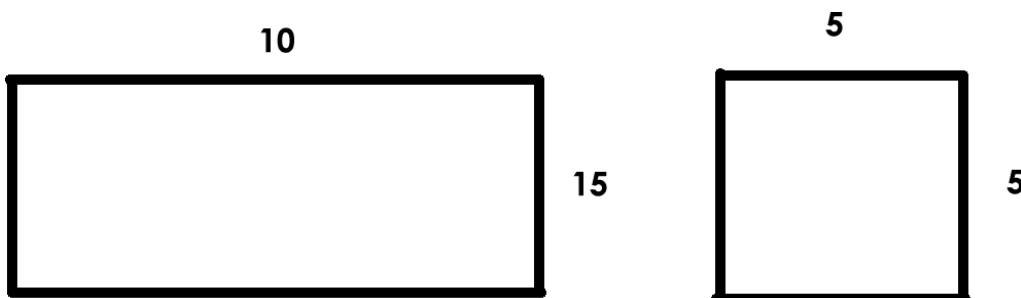
15 Is a cube 3-dimensional?

16 What is a 2-dimensional figure?

17 Find the measure of an unknown angle

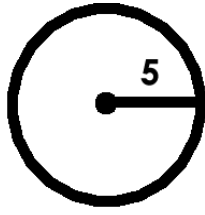
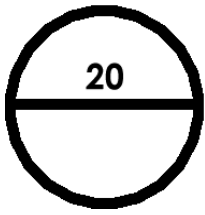


18 Find the Area & the Perimeter for the following:



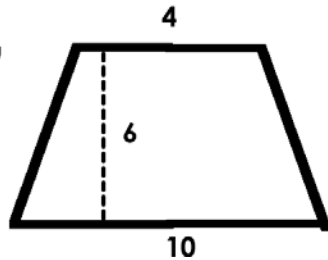
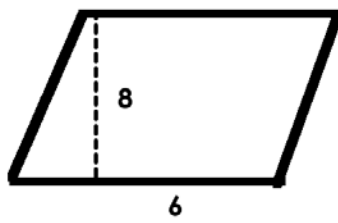
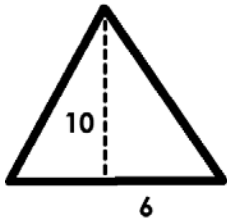
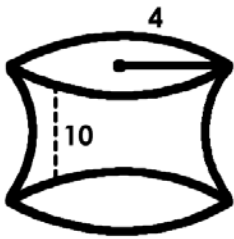
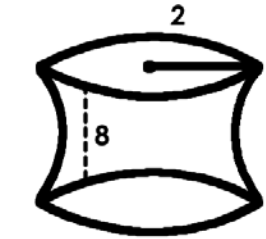
19 Find the surface Area for Problem 15

20



Solve...

21



22 What is the square roots of the following:

$$\sqrt{64} \quad \sqrt{169} \quad \sqrt{144}$$

$$\sqrt{225} \quad \sqrt{625} \quad \sqrt{30}$$

$$\sqrt{81} \quad \sqrt{4} \quad \sqrt{25}$$

23 Write as a ratio and/or fraction and reduce if needed:

150 to 250 5 : 6 18 to 36

$$\frac{9}{18} \quad \frac{35}{45} \quad 50 : 25$$

24 Exponents

$$5^3 \quad 2^4 \quad 4^3 \quad 9^2$$

$$4 \times 4 \times 4 \times 4 \quad 4 \times 4 \times 2 \times 3 \times 3$$

$$10 \times 10 \times 10 \quad 5 \times 4 \times 4 \times 5$$

25 Solve Inequalities

$$-3x + 6 < -15$$

$$-x > 5$$

$$4x - 10 \geq -18$$

$$-9x > -36$$

$$-3x + 2x + 6 > 9$$

26 Solve Equations

$$5x + 3 = -12$$

$$14 - x = 9$$

$$\frac{1}{4}x = 5$$

$$\frac{x}{10} + 3 = -2$$

$$-8x + 6 = 30$$

$$-5x = 40$$

27 Convert to decimal, %, or fraction

%	Decimal	Fraction
145		
		$\frac{3}{4}$
18		
	.60	
		$\frac{9}{10}$
	2.10	
		$\frac{3}{8}$

28

$$\frac{1}{4} \div \frac{1}{4} \quad \frac{18}{36} \div \frac{9}{64}$$

$$\frac{100}{25} \div \frac{50}{25} \quad \frac{1}{10} \div \frac{5}{10}$$

$$\frac{-2}{4} \div \frac{1}{16}$$

29

$$\begin{array}{r} .084 \\ \times 3.2 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15.88 \\ \times 3.0 \\ \hline \end{array}$$

$$\begin{array}{r} 198.2 \\ \times 6.3 \\ \hline \end{array}$$

$$\begin{array}{r} 1008 \\ \times 4.02 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \frac{1}{9} \\ - 64 \frac{1}{18} \\ \hline \end{array}$$

$$\begin{array}{r} 45 \frac{1}{2} \\ - 33 \frac{5}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 15 \frac{1}{8} \\ - 7 \frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 99 \frac{1}{4} \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \frac{1}{4} \\ - 10 \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 10 \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 96 \frac{15}{20} \\ - 5 \frac{1}{20} \\ \hline \end{array}$$

30 Reduce to the lowest terms

$$\frac{18}{24}$$

$$\frac{9}{30}$$

$$\frac{5}{19}$$

$$\frac{15}{45}$$

$$\frac{102}{9}$$

$$\frac{15}{30}$$

$$\frac{24}{48}$$

$$\frac{10}{20}$$

31 The product of 3 and X is 15

32 The sum of 3 and -10

33 The difference between 8 and 40

34 Subtract 8 from 2

35 The quotient of 18 and 9

36 What is the "BIG MAN" Rule? Explain?

- 37 Is the "BIG MAN" Rule the same as the Subtraction Rule? If so, explain the Subtraction Rule?
- 38 What is the Division Rule? Explain?
- 39 What is the Multiplication Rule? Explain?
- 40 What is the Addition Rule? Explain?
- 41 Write the formula for Slope. Give example?
- 42 Write the formula for Point-Slope. Give example?
- 43 Write the formula for Equation-of-the-Line. Give example?
- 44 Write the formula for Tangent, Cotangent, Sine, Cosecant, Cosine and Secant.
- 45 Solve

