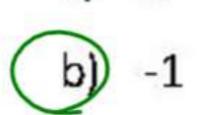
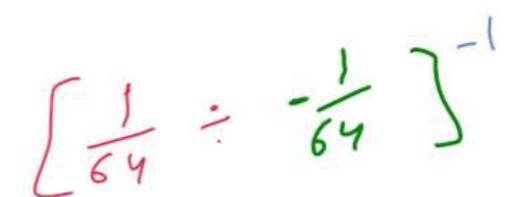
- 1) Find the value of $[(+\frac{1}{8})^2 \div (-\frac{1}{4})^3]^{-1}$





- (t, gh) m- (t^2, h)
- 2) If 2x y z = 44 and 6x 3y = 13, Find 3z

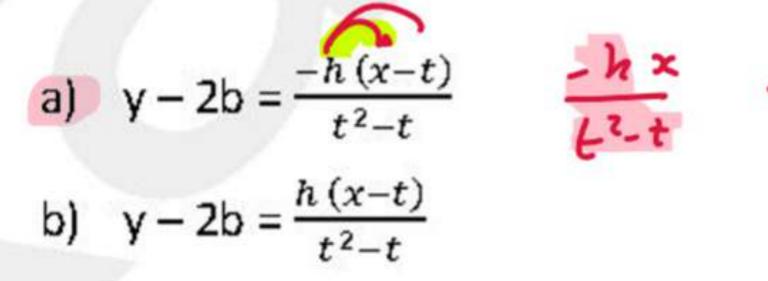
 - (b) -119 6>c-39-37=137
 - 132

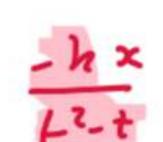
d) -132

13-37=132

3) Line L passes through the points as shown above, g=2,

which of the following represents the equation of the line?





- c) $y 2b = \frac{h(x+t)}{t^2-t}$
- d) $y + 2b = \frac{h(x-t)}{t^2-t}$

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(a +b) $\sqrt{5.7}$ 4) What is the value of $(\sqrt{9+2\sqrt{5}}+\sqrt{9-2\sqrt{5}}?)^2$

(a) $\sqrt{18 + 2\sqrt{61}}$	9+255+25-5+	9-24
	=	

- b) $\sqrt{18 2\sqrt{61}}$ c) $18 + 2\sqrt{61}$

- d) $18 2\sqrt{61}$

6) Which if the following in true based on the given table above:

0.5

1/3

0.5

1.5

- y varies directly with x , K = 0.5
- y varies directly with x, constant K = 2
- y varies inversely with x, constant K = -2
- y varies inversely with x, K = 0.5

- 5) The slopes of the two perpendicular lines with slope m₁ and m₂ are
 - $m_1 * m_2 = -1$

- c) $m_1 + m_2 = -1$
- d) $m_1 m_2 = -1$

7) A pentagon with perimeter equal 153cm and the ratio of its sides 2:3:3:5:4,

Find the length of the smallest side?

a) 18

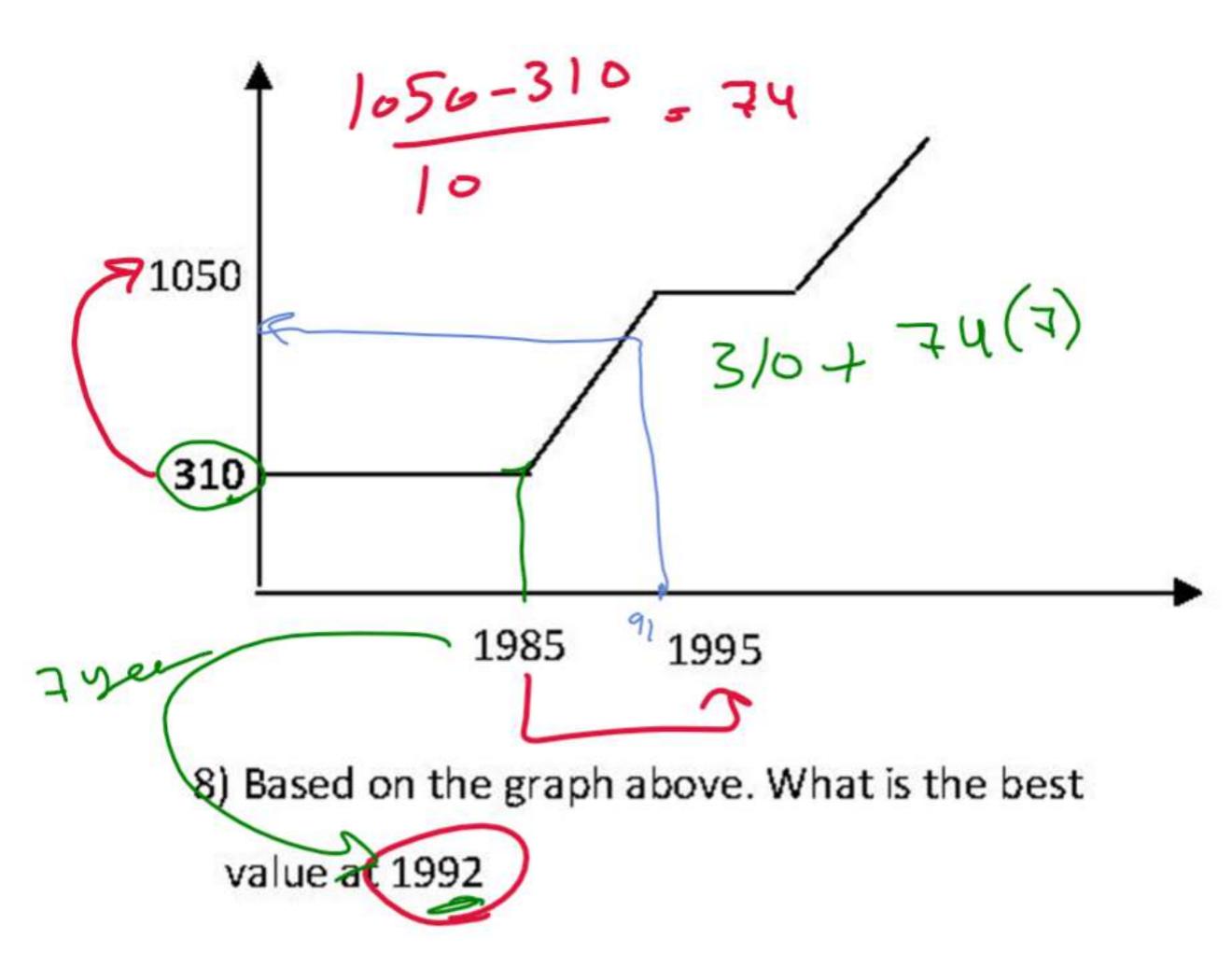


b) 21

c) 45

d) 36





- a) 800
- (b)) 828
- c) 500
- d) 450

- 9) Jamil has 10 shirts, Hana has 4 less than Ahmed While Jamil has 6 more than Hana, How many shirts they have together?
 - a) 8

J=10

b) 10

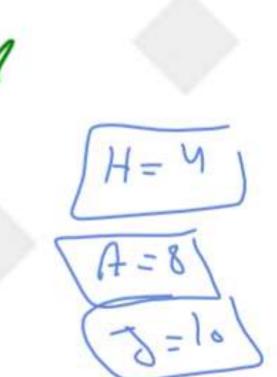
47 H = A-4

c) 12

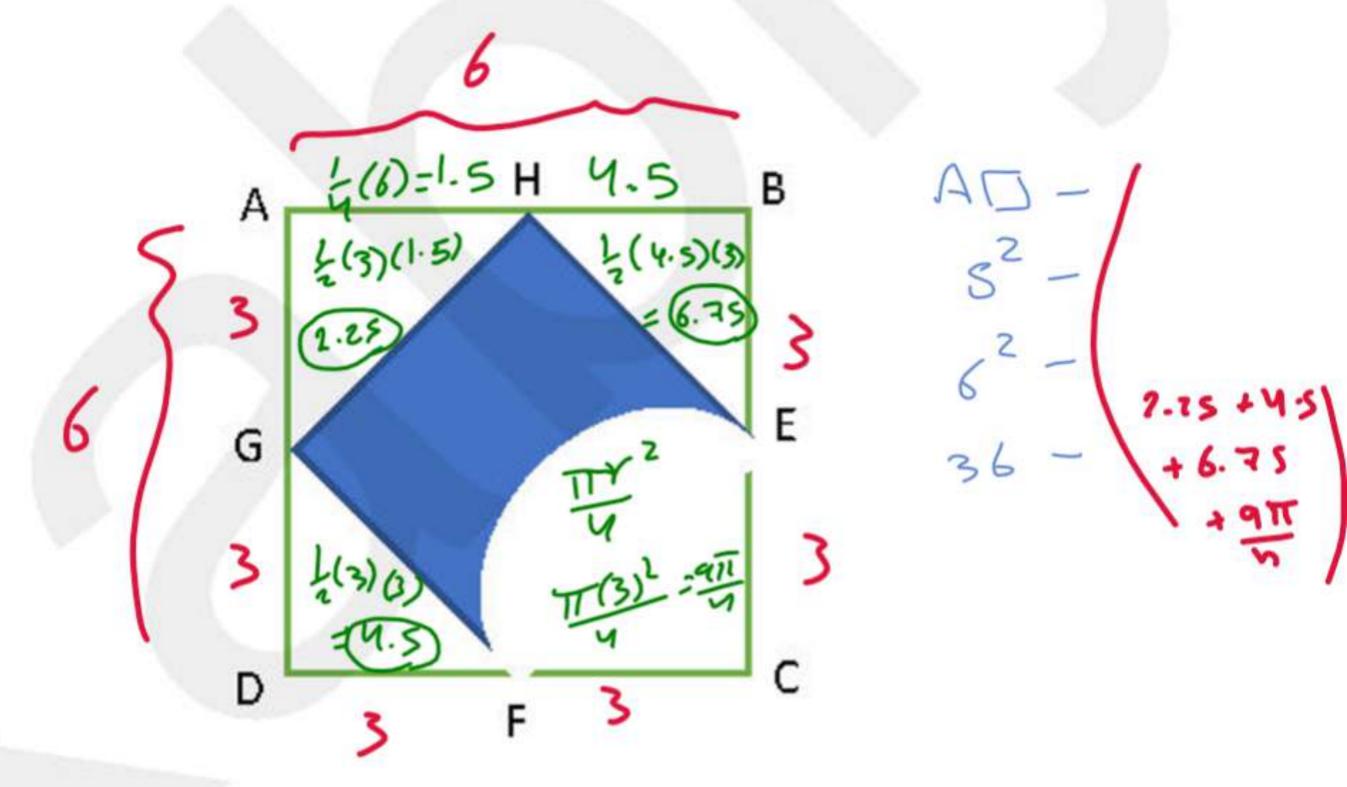
10 J= 6+ H

d) 22

4+8+10=22



10) If $\sin^2 x \neq 0.7$, what is the value of $2 \cos^2 x$: $5(0.3) = 5(n^2 x + Co^2 x = 1)$ b) 0.6c) 0.2d) 0.5 $(x)^2 x = 0.3$



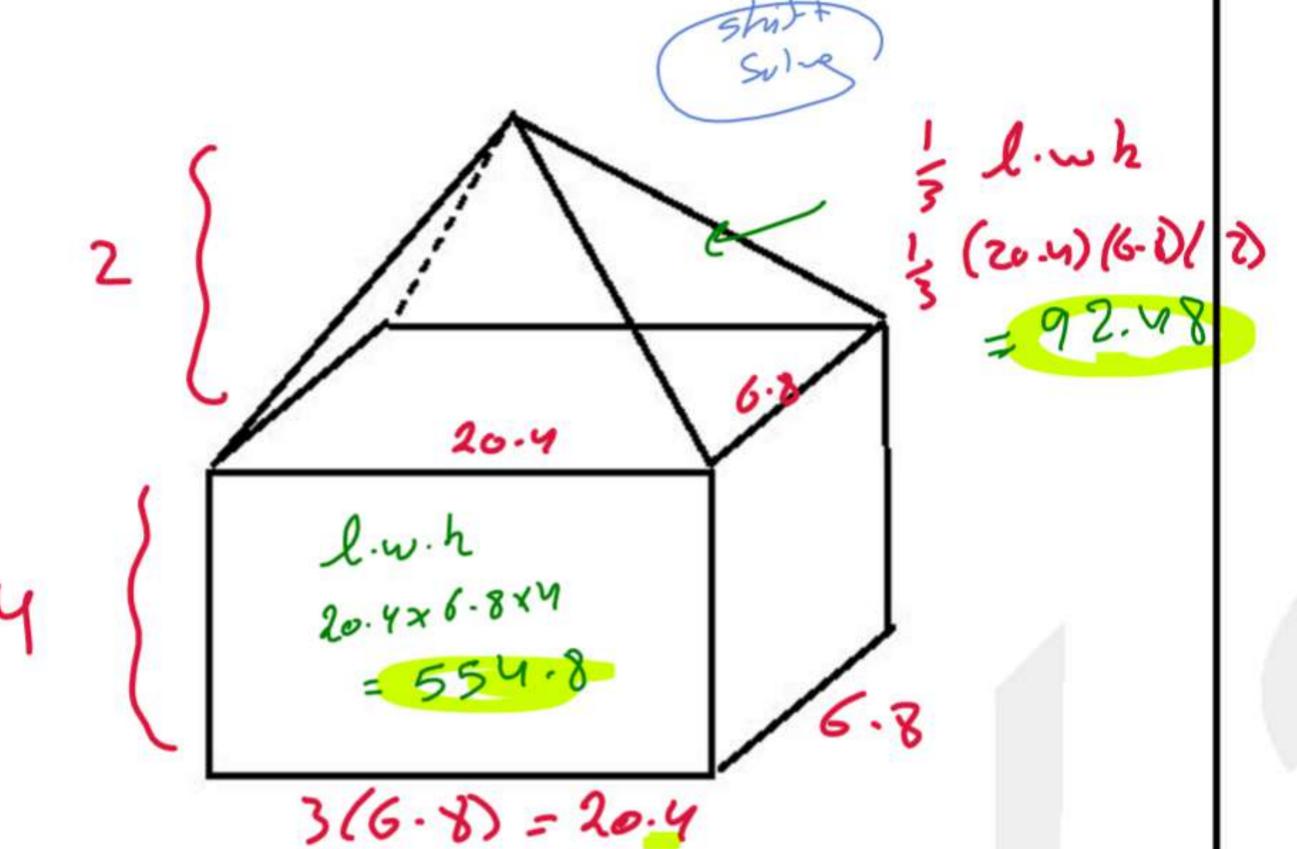
- 11) ABCD is a square with side length = 6, G, E, F are midpoints, AH = $\frac{1}{4}AB$ Find the area of shaded region?
 - a) 20.565
 - b) 17.7
 - C) 15.435
 - d) 123



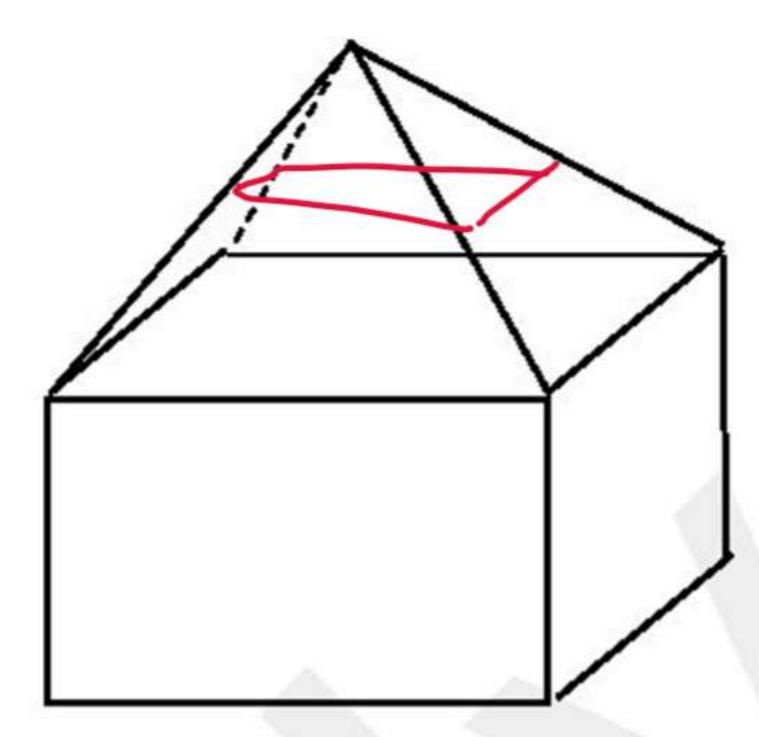
- 12) If 100 km/h is equal to $\frac{5(10)^3}{2}$ meter / min, What is the value of a?
 - a) 1
 - 100 xlvoo 1 x60 b) 2

d) 4

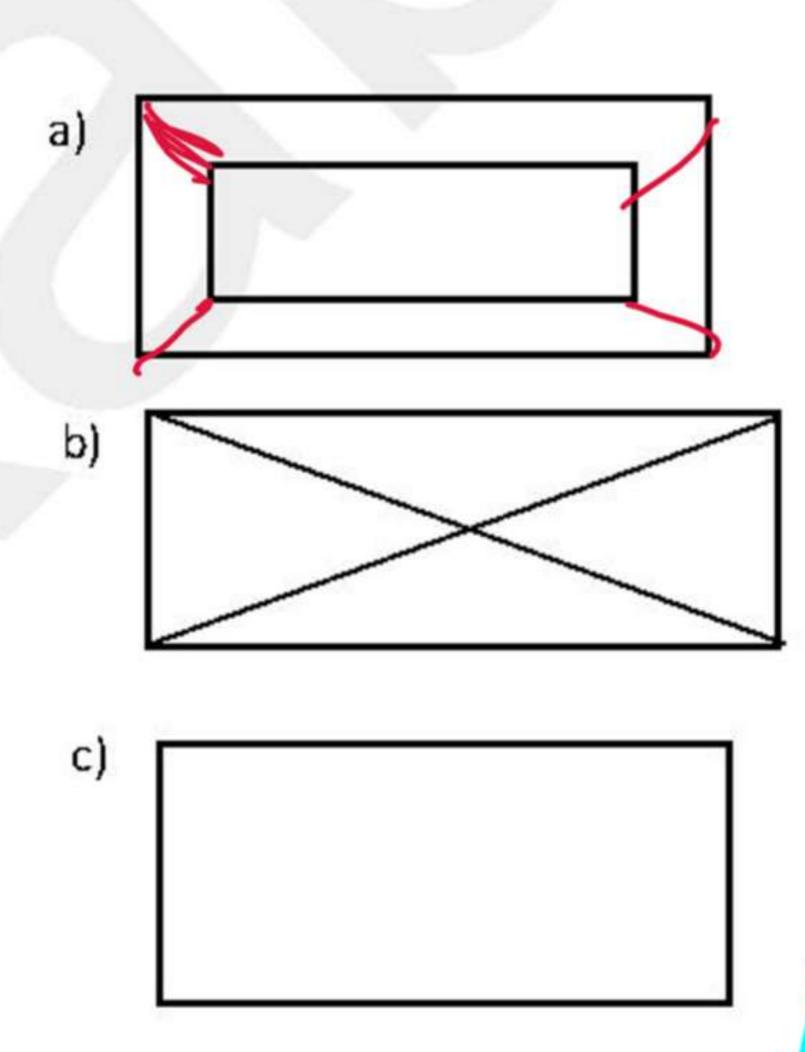
100 x 1000 1×60



- 13) The prism above consists of a Pyramid with height 2cm and cuboid its height is 4 cm and has a base its side width equal 6.8cm and length equal thrice the width. What is the volume of the prism?
 - a) 100
- 554-8+
- b) 647.36
 - c) 567
 - d) 554.88



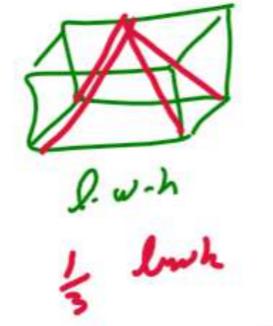
14) A horizontal cross section is cut from the prism above. Which of the following represent the shape of that cross section?



15) What is the product pf the solutions of the equation below?

$$-2x^2 + 2x + 3$$

- a) -1.5
 - b) 1.5
 - c) 1
 - d) -1

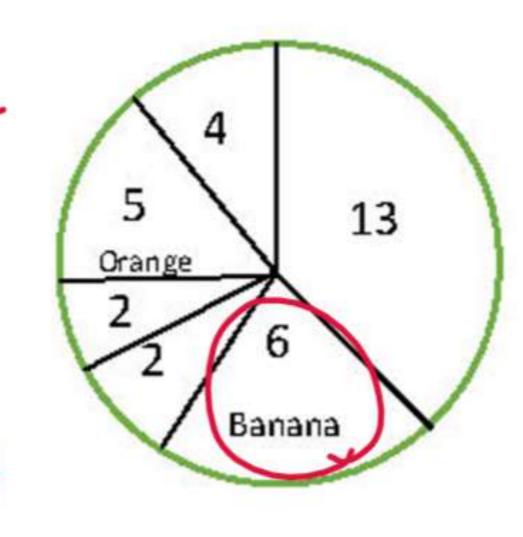






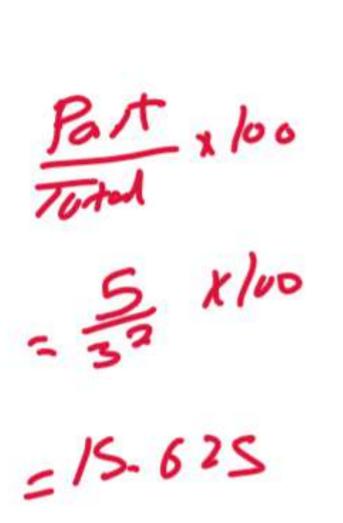
72

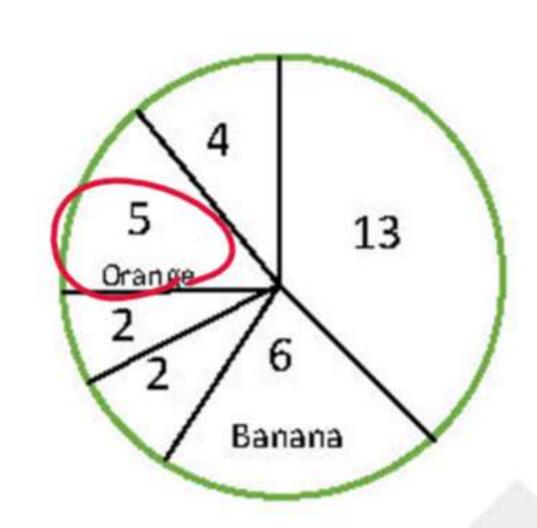




16) What is the Probability of Banana?

- (a) 3/16
- b) 5/16
- 32 =
- c) 0.635
- d) 0.27





17) What is the percentage of Orange?

- a) 0.15
- b) 5
- c) 15.625
- d) 27.125

18) If $\sqrt{x-2} - a = 5$. What is the value of x when a = -3a) 4

b) 6 x - 2 + 3 - 5b) 6 $x - 2 + 2^{2}$

d) 19 $\chi - 2 = 4$

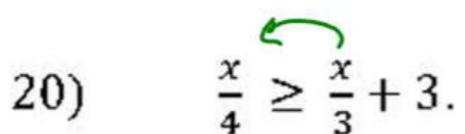
GC = 6

19) If $243^{x+1} = 27^{2x-3}$ Find the value of x:



- c) 19
- 14+1
- 2(14)-3
- d) 16 243
- 2

- - -



Which of the following could be

the value of x?

- b) -23.5
- c) -24.5
- d) -23.9



Find the least value of x that satisfying the inequality above.

- a) 0.5
- b) 2.5

- d) 3.5

$$2x-1=6$$

$$2x=1$$

24) If
$$2x^2y = -1$$
 and $2y^2 = 8$,

a) 4

b) 14

c) 16

d) 19

what is the value of x, when y < 0?

23) If $t \neq 2$ and $\frac{t}{t-2} \neq \frac{5}{2}$, Find the value of 3t + 4?

5+-10=3t

- a) -0.5
- b) -1.5
- c) 2
- d) 1

$$2x + 2 = -1$$

$$2x = -3$$

$$2x = -3$$

$$3(= -3)$$

= 14

$$2x = -3$$

22) What is the sum of the solutions of the equation below?

- $x^4 2 x^2 3$
- b)
- c)
- d) -5

25) What is the probability of male?

0.45 0.23

d) 0.53

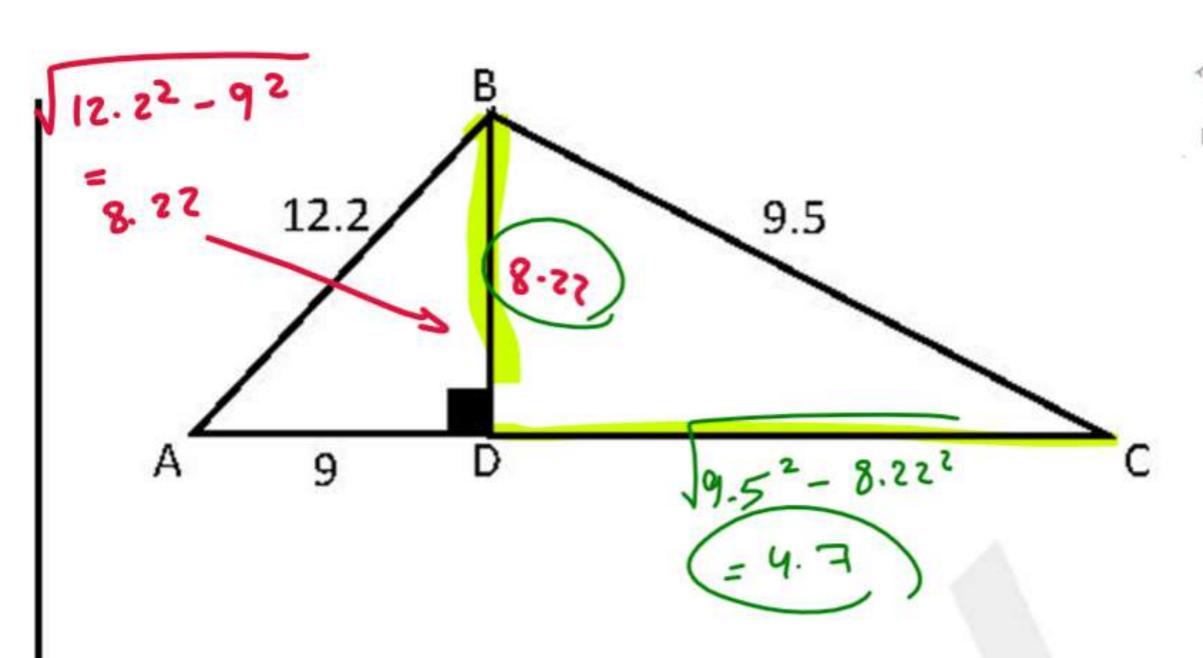
- > 0. S>

26) A dice is tossed two times, what is the probability that the sum of two time is 9?

(a)
$$1/9$$
 - 3, 6
b) $1/18$ - 6, 3
c) $1/36$ - 4, 5
d) $9/24$ - 5, 4

	Adults	Children
Day 1	310	720
Day 2	720	130
Day 3	120	170
Day 4	210	211
	1760	1231

- 27) The table above shows the number of tickets sold during four days as shown, Adult tickets costs 12\$, Child tickets cost 7.5\$, What us the total amount during the four days? 1360×12 + 1231×7.5
 - a) 16 320
 - 9 232.5
 - c) 25 552.5
 - 230 000



- 28) In the triangle above, angle B is 90°, BD is perpendicular to AC, Find the value of BD + DC
 - a) 13.6
 - b) 4.6
 - 18.2 d) 12.8
- 25, 11, 12, 15, 17, 21, 22, 23, 30 11,12,15,17 (21) 23,23, 25, 30 For the set of data above if the median is a) range is b, max value is c. what is the value of |ab - bc|?
 - a) 171 a=2/b) 392 b=36-11=19c) 750 C=3321×19-19×30 = 171
 - 1280
- 30) Abdo thew 10% of his books, gave his sister 12, donate 20 kept 4 with him, how many books he had originally?
 - ., now many bot

 o./ob +12 + 20 + 49 = bshift

 solve

 Solve a) 32 b) 34
 - c) 36 d) 40

Mode = Most refeatile. Medlon = Middle "arrange"