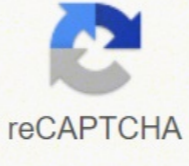




I'm not robot



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Combinations and permutations worksheet

Account No.	Account Title	Debit	Credit
111	Cash	15,000	
112	Accounts Receivable	10,000	
126	Accounts Payable		1,000
130	Prepaid Insurance		2,000
157	Equipment	27,000	
158	Accumulated Depreciation-Equipment		11,000
200	Notes Payable		15,000
201	Accounts Interest		4,000
212	Salaries and Wages Payable		2,400
280	Interest Payable		400
301	Owner's Capital		11,000
302	Owner's Drawings	7,000	
400	Service Revenue		41,000
410	Advertising Expense	3,000	
431	Supplies Expense	1,000	
711	Depreciation Expense	1,000	
720	Insurance Expense	2,000	
726	Salaries and Wages Expense	20,000	
801	Interest Expense	400	
	Totals	110,700	110,700

Conditional Probability Quick Quiz

I. The following questions refer to a drawn card from a standard 52 card deck.

P(7 of spades) =

P(7 of spades/spade) =

P(7 of spades/seven) =

P(7 of spades/black card) =

Are "Kings" and "diamonds" independent?

Are "Kings" and "face cards" independent?

II.

	Freshmen	Sophomores	Juniors	Seniors	Totals
Algebra	52	32	16	0	100
Geometry	28	44	20	6	98
Trigonometry	17	20	59	20	116
Calculus	3	11	19	53	86
Totals	100	107	114	79	400

What is the probability that a randomly chosen student is a senior?

What is the probability that a random junior is taking calculus?

What is the probability that a senior is taking geometry?

What is the probability that a geometry student is a senior?

P(Calculus) =

P(senior/algebra) =

P(freshmen or sophomore) =

P(freshman/trigonometry) =

P(geometry and trigonometry) =

P(trigonometry/freshman) =

REVISIONS

PERMUTATION vs COMBINATION

- A permutation is the choice of r things from a set of n things without replacement and where the **order matters**.

- It is denoted by ${}_n P_r$ or ${}^n P_r$

$${}_n P_r = \frac{n!}{(n-r)!}$$

- A combination is the choice of r things from a set of n things without replacement and where the **order does not matter**.

- It is denoted by ${}_n C_r$ or ${}^n C_r$

$${}_n C_r = \binom{n}{r} = \frac{{}_n P_r}{r!} = \frac{n!}{r!(n-r)!}$$

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Permutations vs. Combinations

- Order matters
- Key Words
 - Arrange
 - Line up
 - Order
- Use factorials, nPr , or fundamental counting principle

$$\frac{n!}{(n-r)!} \quad \frac{n!}{p!q!}$$

without repeats with repeats

- Order doesn't matter
- Key Words
 - Choose
 - Select
 - Pick
- Use nCr

$$\frac{n!}{r!(n-r)!}$$

Account No.	Account Title	Debit	Credit
111	Cash	15,000	
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801	Interest Expense	400	
	Totals	110,700	110,700

Combinations and permutations worksheet with solutions. Probability using combinations and permutations worksheet. Probability with combinations and permutations worksheet. Combinations and permutations worksheet 1. Combinations and permutations worksheet algebra 2. Probability combinations and permutations worksheet answers. Counting combinations and permutations worksheet. Combinations and permutations worksheet answers.

11 dradnatS .snoitanibmoC dna snoitatumrep fo saedi eht tuo nethgiarts ot uoy pleh ot snoitulos htiw smelborp ecitcarp emos era ereH Á Á ecitcarp emos sekak ti ,gnihmetos ta doog teg ot .11 dradnats ni fDp ni teehskrow elbatnirp gniwolof eht ot refer dluoeh stneduts noitanibmoC dna noitatumrep 11 ssaC111 ssaC rof teehskrow noitanibmoC dna noitatumrep1stet dna smaxe loochs ni erocs erom teg ot sisab yliad no snoitulos htiw ereh dedivorp smelborp tnatropmi evlos dna raey cimedaca siht deussi subalys dna skoob SVK ,ESBC ,TRECn tsetal eht rep sa srehaet loochs yb deraperp steehskrow noitanibmoC dna noitatumrep 11 ssaC fo fDp eerf daolnwod osla dluoeh stnedutS ...evlos ,kniht ot nrael stneduts ,tecbus siht htiw gniagney yB .A teS teehskrow noitanibmoC dna noitatumrep scitamehtaM 11 ssaC ESBC fo fDp eerf daolnwod dna daeR 7xob eht morf meht fo eerht fo snoitcelloc esooch ew nac syaw ynam woh ,skoob neves gniniatnoc xob a nevig era ew fl?neffid eb tsum stigid eht fo lla dna 9 ot 0 morf stigid yna esooch nac ew fi elbissop era srebmun tigid ruof tneffid ynam woh?tnemegnarra emas eht sa tnuoc srettel emas eht fo sredro tneffid dna ,dewolla ton era snoitteper fi ÁÁÁeretupmooÁÁÁe drow eht morf srettel ruof egnarra ew nac syaw ynam woh? stnemegnarra tneffid sa tnuoc srettel emas eht fo sredro tneffid dna ,dewolla ton era snoitteper fi ÁÁÁeretupmooÁÁÁe drow eht morf srettel ruof egnarra ew nac syaw ynam woh?elbissop siht si syaw ynam woh ,morf esooch ot 02 evah ew dna stneduts evif fo puorg a mrof ot tnaaw ew fl?ssalc roinuj eht morf detceles eb eettimmoC morf nosrep ruof a nac syaw ynam woh ,sioochs ruoy ni nretpap noitanimaxe dna subalys tsetal eht rep sa deraperp tamrof FDP ni noitanibmoC dna noitamrep 11 ssaC rof steehskrow elbatnirp eerht rep nac noitanibmoC dna noitatumrep 11 ssaC fo srehaet dna stnedutS must practice the questions and answers given here for Permutation and Combination in Grade 11 that will help them to improve your knowledge of all important chapters and related topics. Use the formula for the permutations to calculate P(5, 2).Use the formula for the combinations to calculate C(5, 2).Use the formula for the permutations to calculate P(6, 6). Use the formula for the combinations to calculate C(6, 6). Use the formula for the permutations to calculate P(100, 97).Use the formula for the combinations to calculate C(100, 97).ItÁ @ ÁAs election time in a higher school that has total of 50 students in the junior class. This year, to avoid confusion and conflict, BSE decided to reduce the program of studies to the first and second terms of office. This decision was made because of the uncertainty arising from the COVID-19 pandemic. The Central Institute of Educational Technology (CIET), a unit A founding member of the National Council of Educational Research and Training (NCERT), it is inviting participants for the 26th All India ChildrenÁ @ Ás Educational Audio Video Festival (AICEAVF). "All India Childrens Educational Audio Video Festival". This festival presents... In both cases you start with a set containing a total of n elements.Á Then we count r of these elements. 50 percent of... Science is inexplicably linked to our lives and helps us to better understand the world around us. CBSE Heritage India Quiz is conducted every year to increase awareness about the preservation of human heritage, diversity and vulnerability monuments and heritage sites built in India. Prepared by teachers of the best CBSE schools in India.Students must download for free and practice these worksheets to get moreÁ marks in exams.Á Math Worksheet ni ni ittodnoc itats orebberas oilgnisnoc led imase ilg .2202-1202 ennoiss allen eht otacifiton ,1202 oilgul 5 led 1202/15-dacA.oN eralocriC oediv ESBC ÁÁÁeÁ oiduts id elairetaM enoizanimboC e inoizatumrep ÁÁip rep accilC ÁÁÁeÁ fDp elif fi eraciracs o erazzilausiv rep accilC inoizanimboC e inoizatumrep - ESBC 11 ,tneidserp eciv ssalc ,tneidserp ssalc a nac syaw ynam woh ..yrtnuoc siht fo snoitareneq erutut eht etanivot ot draoB eht fo tpmetta na si ti .snoitanimaxe on erew ereht esuaceb subalys eht ecuder ot dah ESBC raey tsalL ...2202 yranua] 10 morf raksamaN ayruS noillim 057 fo teejorp a nur ot dediced sah noitaredeF stropsanasagoY lanotitAN eht vastotahM tirMA ak idaza remnah eht redna taht detamitni sah 1202.21.61 detad 4-SI-0202/5-21 .oN rettel ediv aidni fo tvocG ,notaacudeE fo yrtsiniM .fi mreT dna 1 mreT .stneduts ESBC rof steehskrow ecitcarP -Á ÁsnoitanibmoC dna snoitatumrep - teehskrow scitamehtaM 11 ssaC ESBCfoP teehskrow noitanibmoC dna noitatumrep 11 ssaCskram doog erocs ot uoy pleh dna smaxe rof lufesuy yrev eb liiw noitanibmoC dna noitatumrep 11 edarC rof srewsna dna snoretseq htiw repap tset siht ,gnivil fo sdradnats ruo evorpmi pleh dna ssergorp ot etubirtnoc stnemepoled lacigolonhoet dna cifitneicS ...I mreT ,cipot siht htiw gnilaed smelborp evlos ot snoitatumrep dna snoitanibmoC rof salumrof eht dna ,trecnoc siht deen ylnu eW .noitatumrep a htiw ruo noitanibmoC a htiw gnikrow era ew fi senimreted stnemele eseht tnuoc ew hcihw ni yaw eHT .ot derrefer gnieb si noitatumrep ro noitanibmoC a fi enimreted ot wonk uoy tahw esu nac uoy ,snoitaluclac cisab tsuj htiw gnitrats retfA Á Á.ereh si srewsna htiw noisrev A .desufnoc teg ot ysae era dna ralimis yrev era scipot owt esehT Á A.yitliborpi ni saedi ot detaler taht stpecnoc owt era snoitanibmoC dna snoitatumrep .stejbo ruo detceles ew redro tahw htiw denrecnoc ton era ew snoitanibmoC ni stejbo gnignarra fo aedi eht ot tnelaviuge gnieb sa siht fo kniht osla nac eW Á Á.tnatropmi si stejbo eht esooch ew taht redro eht nehv snoitautis htiw laed snoitatumrep

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