AILET

Questions for Practice on Percentages for Quantitative Techniques

Aditya Anand · 10 Aug 2020

Questions for Practice on Percentages for Quantitative Techniques

.docxpressoPlugin { font-size: 83.35%; } .h5p_layout { box-sizing: content-box !important; } .h5p_layout *{ float: none; text-align: initial; box-sizing: border-box; } /*to make sure that floating elements are always inside the document bounds*/ .h5p_layout:after { content: " "; display: block; height: 0; clear: both; visibility: hidden; } /* a default layout for documents without maste styles */ .h5p_default_layout { margin-top: 3.6rem; margin-left: 8.50464rem; margin-bottom: 3.6rem; margin-right: 8.50464rem; writing-mode: lr-tb; } /*hack for IE */ wbr:after { content: "\00200B"; } /*hack to get some extra top margin for anchors if needed*/ .h5p_layout span[id^="_Toc"]{ padding-top: 10px; margin-top: -10px; } /* Remove unwanted numbering styles */ .h5p_layout .removeNumbering:before{ content: initial !important; display: none; all: initial !important; } /* give zero default top and bottom paddings for paragraphs*/ .h5p_layout p { color: #000000; line-height: 1; margin-top: 0; margin-bottom: 0; } .h5p_layout span { color: #000000; font-weight: normal; } .h5p_layout span.dropcap { color: inherit; font-family: inherit !important; } .h5p_layout h1, .h5p_layout h2, .h5p_layout h3, .h5p_layout h4, .h5p_layout h5, .h5p_layout h6 { margin-top: 0; margin-bottom: 0; font-family: inherit; font-weight: 500; line-height: 1; color: inherit; } /* give zero default top and bottom paddings for paragraphs in tables*/ .h5p_layout table p { margin-top: 0; margin-bottom: 0; } .h5p_layout ul, .h5p_layout ol { list-style-type: none; margin-top: 0; margin-bottom: 0.5em; padding-left: 0; } .h5p_layout ul li, .h5p_layout ol li { list-style-type: none; margin-top: 0; margin-bottom: 0.5em; } .h5p_layout li p { margin-top: 0; margin-bottom: 0; } .h5p_layout table { border: none; } .h5p_layout td { vertical-align: top; border: none; } .h5p_layout th { vertical-align: top; border: none; } .h5p_layout div { margin-bottom: 10pt; } .h5p_layout img { margin: 0; padding: 0; } .h5p_layout ul ul { margin-top: 0; margin-bottom: 0; } .h5p_layout li { margin-top: 0; margin-bottom: 0; list-style-type: none !important; } .h5p_layout ul, .h5p_layout ol { list-style-type: none !important; } .h5p_layout td[data-sorting] p:before, .h5p_layout th[data-sorting] p:before { content: ' '; padding-right: 16px; background: url(

background-position: left center; background-repeat: no-repeat; } .sortDecorator { border-bottom: 3px solid #b70000 !important; } /* This is a spacial class designed to remove unwanted bullets when a li has ul as its first child*/ .h5p_layout .removeBullet:before { content: none !important; } /*responsive tables*/ .h5p_layout div.dxoResponsiveTable{ margin: 0 !important; padding: 0 !important; overflow-x: auto !important; overflow-y: hidden; } /* chart tooltips */ .c3-tooltip-container td.name { white-space: nowrap; } /* External services*/ .h5p_layout iframe { resize: vertical; border: 1px solid #fff; } .h5p_layout div.youtube { position:relative; padding-bottom:56.25%; height:0; overflow:hidden; background-color: transparent; } .h5p_layout div.youtube iframe { resize: none; position:absolute; top:0; left:0; width:100%; height:100%; } div#h5p_6a7c09ab0419a ul.LFO1 {counter-reset: ulLFO1_1;margin-left: 0;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 ul {counter-reset: ulLFO1_2;margin-left: -0.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li {text-indent: -0.25in;margin-left: 36pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li:before {counter-increment: ulLFO1_1;content: counter(ulLFO1_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul {counter-reset: ulLFO1_3;margin-left: -0.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li {text-indent: -0.25in;margin-left: 72pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li:before {counter-increment: ulLFO1_2;content: counter(ulLFO1_2, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul {counter-reset: ulLFO1_4;margin-left: -1.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li {text-indent: -0.125in;margin-left: 108pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li:before {counter-increment: ulLFO1_3;content: counter(ulLFO1_3, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul ul {counter-reset: ulLFO1_5;margin-left: -1.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li {text-indent: -0.25in;margin-left: 144pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li:before {counter-increment: ulLFO1_4;content: counter(ulLFO1_4, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul ul ul {counter-reset: ulLFO1_6;margin-left: -2.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 180pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li:before {counter-increment: ulLFO1_5;content: counter(ulLFO1_5, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul

ul ul ul {counter-reset: ulLFO1_7;margin-left: -2.875in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 216pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO1_6;content: counter(ulLFO1_6, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul ul ul ul ul {counter-reset: ulLFO1_8;margin-left: -3.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 252pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO1_7;content: counter(ulLFO1_7, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul ul ul ul ul ul {counter-reset: ulLFO1_9;margin-left: -3.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 288pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO1_8;content: counter(ulLFO1_8, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO1 ul ul ul ul ul ul ul ul ul {counter-reset: ulLFO1_10;margin-left: -4.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 324pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO1 li ul li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO1_9;content: counter(ulLFO1_9, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO2 {counter-reset: ulLFO2_1;margin-left: 0;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 ul {counter-reset: ulLFO2_2;margin-left: -0.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li {text-indent: -0.25in;margin-left: 36pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li:before {counter-increment: ulLFO2_1;content: counter(ulLFO2_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO2 ul ul {counter-reset: ulLFO2_3;margin-left: -0.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li ul li {text-indent: -0.25in;margin-left: 72pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li ul li:before {counter-increment: ulLFO2_2;content: counter(ulLFO2_2, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO2 ul ul ul {counter-reset: ulLFO2_4;margin-left: -1.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li ul li ul li {text-indent: -0.125in;margin-left: 108pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO2 li ul li ul li:before {counter-increment:

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div#h5p_6a7c09ab0419a ul.LFO3 li {text-indent: -0.25in;margin-left: 36pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li:before {font-weight: normal !important;counter-increment: ulLFO3_1;content: counter(ulLFO3_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul {counter-reset: ulLFO3_3;margin-left: -0.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li {text-indent: -0.25in;margin-left: 72pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li:before {counter-increment: ulLFO3_2;content: counter(ulLFO3_2, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul {counter-reset: ulLFO3_4;margin-left: -1.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li {text-indent: -0.125in;margin-left: 108pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li:before {counter-increment: ulLFO3_3;content: counter(ulLFO3_3, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul {counter-reset: ulLFO3_5;margin-left: -1.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li {text-indent: -0.25in;margin-left: 144pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li:before {counter-increment: ulLFO3_4;content: counter(ulLFO3_4, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul ul {counter-reset: ulLFO3_6;margin-left: -2.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 180pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li:before {counter-increment: ulLFO3_5;content: counter(ulLFO3_5, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul ul ul {counter-reset: ulLFO3_7;margin-left: -2.875in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 216pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO3_6;content: counter(ulLFO3_6, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul ul ul ul {counter-reset: ulLFO3_8;margin-left: -3.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 252pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO3_7;content: counter(ulLFO3_7, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul ul ul ul ul {counter-reset: ulLFO3_9;margin-left: -3.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul

li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 288pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO3_8;content: counter(ulLFO3_8, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO3 ul ul ul ul ul ul ul ul ul {counter-reset: ulLFO3_10;margin-left: -4.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 324pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO3 li ul li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO3_9;content: counter(ulLFO3_9, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 {counter-reset: ulLFO4_1;margin-left: 0;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 ul {counter-reset: ulLFO4_2;margin-left: -0.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li {text-indent: -0.25in;margin-left: 36pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li:before {counter-increment: ulLFO4_1;content: counter(ulLFO4_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul {counter-reset: ulLFO4_3;margin-left: -0.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li {text-indent: -0.25in;margin-left: 72pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li:before {counter-increment: ulLFO4_2;content: counter(ulLFO4_2, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul {counter-reset: ulLFO4_4;margin-left: -1.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li {text-indent: -0.125in;margin-left: 108pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li:before {counter-increment: ulLFO4_3;content: counter(ulLFO4_3, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul {counter-reset: ulLFO4_5;margin-left: -1.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li {text-indent: -0.25in;margin-left: 144pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li:before {counter-increment: ulLFO4_4;content: counter(ulLFO4_4, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul ul {counter-reset: ulLFO4_6;margin-left: -2.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 180pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li:before {counter-increment: ulLFO4_5;content: counter(ulLFO4_5, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul ul ul {counter-reset: ulLFO4_7;margin-left: -2.875in;padding: 0; list-style-type: none;font-size:

11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 216pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO4_6;content: counter(ulLFO4_6, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul ul ul ul {counter-reset: ulLFO4_8;margin-left: -3.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 252pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO4_7;content: counter(ulLFO4_7, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul ul ul ul ul {counter-reset: ulLFO4_9;margin-left: -3.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 288pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO4_8;content: counter(ulLFO4_8, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c09ab0419a ul.LFO4 ul ul ul ul ul ul ul ul ul {counter-reset: ulLFO4_10;margin-left: -4.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 324pt;font-size: 11pt;} div#h5p_6a7c09ab0419a ul.LFO4 li ul li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO4_9;content: counter(ulLFO4_9, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c09ab0419a p.P1 {border-top: none !important;border-left: none !important;border-bottom: 0.0138in solid #5B9BD5 !important;border-right: none !important;padding-top: 0in !important;padding-left: 0in !important;padding-bottom: 0.0555in !important;padding-right: 0in !important;margin-bottom: 0.2083in !important;line-height: 1 !important;break-before: page !important;text-align: center !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P1 span {hyphenate: false;font-family: Calibri Light;color: #323E4F;letter-spacing: 0.0034in;font-size: 26pt;hyphenate: false;font-weight: bold;} div#h5p_6a7c09ab0419a p.P2 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P2 span {hyphenate: false;font-family: Times New Roman;font-weight: bold;font-size: 12pt;text-decoration: single;text-decoration: underline;text-decoration-style: solid;} div#h5p_6a7c09ab0419a p.P3 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P3 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P4 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P4 span

{hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P5 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P5 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P6 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P6 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P7 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P7 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P8 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P8 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P9 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P9 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P10 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P10 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P11 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P11 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P12 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P12 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P13 {border: 1px solid #000000 !important;padding-top: 0.0138in !important;padding-left: 0.0555in !important;padding-bottom: 0.0138in !important;padding-right: 0.0555in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P13 span {hyphenate: false;font-family: Times New Roman;font-weight: bold;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P14 {border: 1px solid #000000 !important;padding-top: 0.0138in !important;padding-left: 0.0555in !important;padding-bottom: 0.0138in !important;padding-right: 0.0555in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P14 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P15 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;}

div#h5p_6a7c09ab0419a p.P15 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P16 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P16 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-weight: bold;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P17 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P17 span {hyphenate: false;font-family: Times New Roman;font-weight: bold;font-size: 12pt;text-decoration: single;text-decoration: underline;text-decoration-style: solid;} div#h5p_6a7c09ab0419a p.P18 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P18 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P19 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P19 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P20 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P20 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P21 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P21 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P22 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P22 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P23 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P23 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P24 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P24 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P25 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P25 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P26 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P26 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P27 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P27 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P28 {margin-left: 0.5in

!important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P28 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P29 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P29 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P30 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P30 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P31 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P31 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P32 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a span.T33 {font-family: Times New Roman !important;font-size: 12pt !important;} div#h5p_6a7c09ab0419a span.T34 {font-family: Times New Roman !important;font-size: 12pt !important;background-color: #FFFFFF !important;} div#h5p_6a7c09ab0419a p.P35 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P35 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P36 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P36 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P37 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P37 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P38 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P38 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P39 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P39 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P40 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P40 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P41

{margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P41 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;background-color: #FFFFFF;} div#h5p_6a7c09ab0419a p.P42 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P42 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P43 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a span.T44 {font-family: Times New Roman !important;font-size: 12pt !important;} div#h5p_6a7c09ab0419a span.T45 {font-family: Times New Roman !important;font-size: 12pt !important;} div#h5p_6a7c09ab0419a span.T46 {font-family: Times New Roman !important;font-size: 12pt !important;} div#h5p_6a7c09ab0419a p.P47 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P47 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P48 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P48 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P49 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P49 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P50 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P50 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P51 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P51 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P52 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P52 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P53 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P53 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P54 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P54 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P55 {text-align: justify !important;line-height:

1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P55 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P56 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P56 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P57 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P57 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P58 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P58 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P59 {text-align: justify !important;line-height: 1.5 !important;margin-left: 0.25in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P59 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P60 {text-align: justify !important;line-height: 1.5 !important;margin-left: 0.25in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P60 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P61 {text-align: justify !important;line-height: 1.5 !important;margin-left: 0.25in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P61 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P62 {text-align: justify !important;line-height: 1.5 !important;margin-left: 0.25in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P62 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P63 {text-align: justify !important;line-height: 1.5 !important;margin-left: 0.25in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P63 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P64 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P64 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P65 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P65 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P66 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P66 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P67 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P67 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a

p.P68 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P68 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P69 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P69 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P70 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P70 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P71 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P71 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P72 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P72 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P73 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P73 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P74 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P74 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P75 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P75 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P76 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P76 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P77 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P77 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P78 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P78 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P79 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P79 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a

p.P80 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P80 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P81 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P81 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P82 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P82 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P83 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P83 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P84 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P84 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.P85 {text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P85 span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c09ab0419a p.Normal {font-size: 11pt;} div#h5p_6a7c09ab0419a p.Normal span {hyphenate: false;font-size: 11pt;} div#h5p_6a7c09ab0419a span.DefaultParagraphFont {font-size: 11pt;} div#h5p_6a7c09ab0419a p.ListParagraph {margin-left: 0.5in !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.ListParagraph span {hyphenate: false;hyphenate: false;font-size: 11pt;} div#h5p_6a7c09ab0419a p.Title {border-top: none !important;border-left: none !important;border-bottom: 0.0138in solid #5B9BD5 !important;border-right: none !important;padding-top: 0in !important;padding-left: 0in !important;padding-bottom: 0.0555in !important;padding-right: 0in !important;margin-bottom: 0.2083in !important;line-height: 1 !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.Title span {hyphenate: false;font-family: Calibri Light;color: #323E4F;letter-spacing: 0.0034in;font-size: 26pt;hyphenate: false;} div#h5p_6a7c09ab0419a span.TitleChar {font-family: Calibri Light !important;color: #323E4F !important;letter-spacing: 0.0034in !important;font-size: 26pt !important;} div#h5p_6a7c09ab0419a div {font-size: 11pt;} div#h5p_6a7c09ab0419a span.WW_CharLFO3LVL1 {font-weight: normal !important;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P32 span {hyphenate: false;hyphenate: false;hyphenate: false;hyphenate: false;font-size: 11pt;} div#h5p_6a7c09ab0419a p.P43 span {hyphenate: false;hyphenate: false;hyphenate: false;hyphenate: false;font-size: 11pt;} div#h5p_6a7c09ab0419a table {margin-left: 0in;border-collapse: collapse;writing-mode: lr-tb;font-size: 11pt;}

div#h5p_6a7c09ab0419a table tr {height: 0in;keep-together: auto;font-size: 11pt;} div#h5p_6a7c09ab0419a table td, table th {background-color: transparent;vertical-align: top;wrap-option: wrap;font-size: 11pt;} div#h5p_6a7c09ab0419a p {keep-with-next: auto;keep-together: auto;widows: 2;orphans: 2;break-before: auto;border: none;text-align: left;writing-mode: lr-tb;margin-bottom: 0.1111in;line-height: 1.07;background-color: transparent;font-size: 11pt;} div#h5p_6a7c09ab0419a p span {font-family: Calibri;font-weight: normal;font-style: normal;text-transform: none;font-variant: normal;text-shadow: none;letter-spacing: normal;font-size: 11pt;background-color: transparent;text-decoration: none;text-decoration-color: font-color;language: en;country: IN;hyphenate: true;}

Questions for Practice on Percentages for Quantitative TechniquesQUESTIONSIf there are a total of 500 passengers in a train, out of which 200 are female and rest are male. Also, 25% of the total passengers are kids and 80% of male are adults, what percentage of female kids are there in the train?If the price of a commodity is reduced by 18% and the new price if Rs. 785, find the original price of that commodity.If 250 is 25% more than 200, by what percent is 200 less than 250?Because of the reduced taxes, the price of imported steel dropped by 30%, what percent of steel more should be bought in order to keep the expenditure unchanged?Kirat Kohli scored 230 runs in test match against Australia including 8 sixes and 11 fours. What percentage of his total score did he get without the boundary scores?The fee of the most reputed college of Legal studies increased from 60,000 to 350,000 per year in 6 years. Calculate the average percent increase in the fee per year.Two friends, Adil and Aditi appeared in a test of maximum marks of 150 where Adil scored 17 marks more than Aditi while Aditi scored 66% of the total marks. How much did Adil score?What percentage of numbers from 51 to100 have 3 or 5 in their unit’s place?The value of a mobile phone depreciates 10% per year. If Asha bought a phone for Rs 20000 in 2017. Find its value in 2020. Solve it and let us know the answers in comments! In an experiment, a scientist multiplied the observation by 7/3 by mistake but it had to multiply it with 3/7. What is the percentage error in the calculation? EXPLANATIONS Since there are 200 females out of 500, therefore, no. of males = 300 Number of kids = (25/100)* 500 = 125 No. of male kids = (20/100) *300 = 60 No. of female kids = 125 – 60 = 65 Percent of female kids = (65/500)* 100 = 13% Let the price of the commodity be x.As per the question,x- 18% of x = 785 100x- 18x = 7850082x = 78500x = 78500/82 = Rs. 957.3 Remember the formula, If X is m% more than Y, then Y is 100m/(100 + m) % less than X.Here, m = 25X = 250Y = 200Therefore, the percent by which 200 is less than 250 = 100m/(100 + m)
% = 100 *25/(125)

% = 20% Here, the price has reduced by 30%, and therefore,Percent of steel more that should be bought in order to keep the expenditure unchanged =[m/(100-m) *100] %= [30/(100-30)*100]= 42.8% Runs scored by 8 sixes and 11 fours = 8*6 + 11*4 = 48+ 44 = 92Therefore run scored otherwise = 230- 92 = 138 Percentage of his total score that he got without the boundary scores = (138/230)*100 = 60% Percent of increase in fee = [(350,000 – 60,000)/ 60,000] * 100 = (290,000/ 60,000)*100 = 483.33% Average percentage increase per year = 483.33/ 6 = 80.5% Aditi’s score out of 150 = (66/100) *150 = 99Adil’s score out of 150 = 99+17 = 116 Total numbers with 3, 5 in their unit’s place = 10Percent = (10/50) *100 = 20%value of a mobile phone in 2018 = 20000 – (10/100)*20000 = 20000 – 2000 = Rs. 18000 Value of a mobile phone in 2019 = 18000- (10/00)*18000 = 18000- 180 = Rs. 17820Value of a mobile phone in 2020 = 17820 – (10/100) * 17820 = 17820 – 1782 = Rs. 16038 (function($) { //footnotes $('.defaultNote').children(":first").css('cursor', 'pointer'); $('.defaultNote').children(":first").click(function(){ var gotoID = '#' + $(this).parent().attr('id'); $('html, body').animate({ scrollTop: $('a[href="' + gotoID + '"]').offset().top - 60, }, 250, 'linear') }); }(jQuery)); var numFormat = ",."; (function($) { "use strict"; //do some cleaning on load var sortCells = $('td[data-sorting], th[data-sorting]'); sortCells.each(function(){ var first = $(this).text().trim().charAt(0); if (first == '@'){ var oldHTML = $(this).html(); var newHTML = oldHTML.replace('@', ''); $(this).html(newHTML); } }); function sortingTable(node, pos, ordBy){ var rows = node.children('tbody').children('tr').get(); rows.sort(function(a, b) { var X = $(a).children('td').eq(pos).text().toUpperCase(); var Y = $(b).children('td').eq(pos).text().toUpperCase(); if (numFormat != '.,'){ //we are dealing with a different locale and we need to do some //transformation in numbers X = convert2number(X); Y = convert2number(Y); } else { X = X.replace(/,/g, '').replace(/ /g, ''); Y = Y.replace(/,/g, '').replace(/ /g, ''); } var currencies = ['$', '¥', '£', '€']; var arrayLength = currencies.length; var XX = X; var YY

= Y; for (var i = 0; i < arrayLength; i++) { XX = XX.replace(currencies[i], ''); YY = YY.replace(currencies[i], ''); } if (!isNaN(XX) && !isNaN(YY)){ var floatXX = parseFloat(XX); var floatYY = parseFloat(YY); return -(floatYY-floatXX) * ordBy; } else if (!isNaN(XX) && isNaN(YY)){ return -1 * ordBy; } else if (isNaN(XX) && !isNaN(YY)){ return ordBy; } else { if(X < Y) { return -1 * ordBy; } if(X > Y) { return 1 * ordBy; } return 0; } }); $.each(rows, function(index, row) { node.children('tbody').append(row); }); } function removeTableCellDecoration() { $("td[data-sorting], th[data-sorting]").removeClass('sortDecorator'); } //unbind the click event just in case we are loading more than one document $("td[data-sorting], th[data-sorting]").off('click'); $("td[data-sorting], th[data-sorting]").click(function(){ removeTableCellDecoration(); $(this).addClass('sortDecorator'); //get desired ordering var ordering = $(this).attr('data-sortOrdering'); if (ordering == 'ASC'){ var ordBy = -1; $(this).attr('data-sortOrdering', 'DESC'); } else { var ordBy = 1; $(this).attr('data-sortOrdering', 'ASC'); } var cellPosition = $(this).prevAll().length; var table = $(this).parents('table:first'); sortingTable(table, cellPosition, ordBy); }); function convert2number(str) { str = str.trim(); if (str.match(/^\d+/)) { //we have to take special care when the thousand separators are '.' var result_0 = str.replace(/\./g, '_@_'); var result_1 = result_0.replace(window.numFormat[0], '.'); var result = result_1.replace(/_@_/g, ''); result .replace(/ /g, ''); return result; } else { return str; } } }(jQuery));

Read the theory on Simple and Compound Interest here.

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