AILET

Practice Paper for Time and Work of AILET Maths Section

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Practice Paper for Time and Work of AILET Maths Section

.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_6a7c0ee19a7d0 ul.LFO1 {counter-reset: ulLFO1_1;margin-left: 0;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO1 ul {counter-reset: ulLFO1_2;margin-left: -0.25in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO1 li {text-indent: -0.25in;margin-left: 36pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO1 li:before {counter-increment: ulLFO1_1;content: counter(ulLFO1_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO1 ul ul {counter-reset: ulLFO1_3;margin-left: -0.75in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO1 li ul li {text-indent: -0.25in;margin-left: 72pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 ul.LFO1 ul ul ul {counter-reset: ulLFO1_4;margin-left: -1.375in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO1 li ul li ul li {text-indent: -0.125in;margin-left: 108pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 ul.LFO1 li ul li ul li ul li {text-indent: -0.25in;margin-left: 144pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 ul.LFO1 li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 180pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 ul.LFO1 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_6a7c0ee19a7d0 ul.LFO2 {counter-reset: ulLFO2_1;margin-left: 0;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul {counter-reset: ulLFO2_2;margin-left: -0.5in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li {text-indent: -0.25in;margin-left: 54pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li:before {counter-increment: ulLFO2_1;content: counter(ulLFO2_1, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul {counter-reset: ulLFO2_3;margin-left: -1in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li {text-indent: -0.25in;margin-left: 90pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 ul.LFO2 ul ul ul {counter-reset: ulLFO2_4;margin-left: -1.625in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li {text-indent: -0.125in;margin-left: 126pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li:before {counter-increment: ulLFO2_3;content: counter(ulLFO2_3, lower-roman) ". ";margin-left: -

0.125in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul {counter-reset: ulLFO2_5;margin-left: -2in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li {text-indent: -0.25in;margin-left: 162pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li:before {counter-increment: ulLFO2_4;content: counter(ulLFO2_4, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul ul {counter-reset: ulLFO2_6;margin-left: -2.5in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 198pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li:before {counter-increment: ulLFO2_5;content: counter(ulLFO2_5, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul ul ul {counter-reset: ulLFO2_7;margin-left: -3.125in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 234pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO2_6;content: counter(ulLFO2_6, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul ul ul ul {counter-reset: ulLFO2_8;margin-left: -3.5in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 270pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO2_7;content: counter(ulLFO2_7, decimal) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul ul ul ul ul {counter-reset: ulLFO2_9;margin-left: -4in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.25in;margin-left: 306pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO2_8;content: counter(ulLFO2_8, lower-latin) ". ";margin-left: -0.25in;display: table-cell;} div#h5p_6a7c0ee19a7d0 ul.LFO2 ul ul ul ul ul ul ul ul ul {counter-reset: ulLFO2_10;margin-left: -4.625in;padding: 0; list-style-type: none;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li ul li {text-indent: -0.125in;margin-left: 342pt;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 ul.LFO2 li ul li ul li ul li ul li ul li ul li ul li:before {counter-increment: ulLFO2_9;content: counter(ulLFO2_9, lower-roman) ". ";margin-left: -0.125in;display: table-cell;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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_6a7c0ee19a7d0 p.P2 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P2 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P3 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P3 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P4 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P4 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P5 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P5 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P6 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P6 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P7 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P7 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P8 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P8 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P9 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P9 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P10 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P10 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P11 {margin-left: 0.5in !important;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_6a7c0ee19a7d0 p.P11 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0

p.P12 {margin-left: 0.5in !important;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_6a7c0ee19a7d0 p.P12 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P13 {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;text-align: center !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P13 span {hyphenate: false;font-family: Calibri Light;color: #323E4F;letter-spacing: 0.0034in;font-size: 26pt;hyphenate: false;font-weight: bold;} div#h5p_6a7c0ee19a7d0 p.P14 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P14 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P15 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P15 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P16 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P16 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P17 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P17 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P18 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P18 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P19 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P19 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P20 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P20 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P21 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0

p.P21 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P22 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P22 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P23 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P23 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P24 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P24 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P25 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P25 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P26 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P26 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P27 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P27 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P28 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P28 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P29 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P29 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P30 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P30 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P31 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P31 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P32 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P32 span {hyphenate:

false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P33 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P33 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P34 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P34 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P35 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P35 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P36 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P36 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P37 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P37 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P38 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P38 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P39 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P39 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P40 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P40 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P41 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P41 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P42 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P42 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P43 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0

p.P43 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P44 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P44 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P45 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P45 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P46 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P46 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P47 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P47 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P48 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P48 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P49 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P49 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P50 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P50 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P51 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P51 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P52 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P52 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P53 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P53 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P54 {margin-left: 0.5in !important;text-align: justify !important;line-height: 1.5 !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0

p.P54 span {hyphenate: false;hyphenate: false;font-family: Times New Roman;font-size: 12pt;} div#h5p_6a7c0ee19a7d0 p.P55 {font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P55 span {hyphenate: false;font-style: italic;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P56 {margin-left: 0.5in !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P56 span {hyphenate: false;hyphenate: false;font-style: italic;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P57 {margin-left: 0.5in !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P57 span {hyphenate: false;hyphenate: false;font-style: italic;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P58 {margin-left: 0.5in !important;margin-left: 0.75in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.P58 span {hyphenate: false;hyphenate: false;font-style: italic;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.Heading2 {keep-with-next: always !important;keep-together: always !important;margin-top: 0.1388in !important;margin-bottom: 0in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.Heading2 span {hyphenate: false;font-family: Calibri Light;font-weight: bold;color: #5B9BD5;font-size: 13pt;hyphenate: false;} div#h5p_6a7c0ee19a7d0 p.Normal {font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.Normal span {hyphenate: false;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 span.DefaultParagraphFont {font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.ListParagraph {margin-left: 0.5in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.ListParagraph span {hyphenate: false;hyphenate: false;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.NormalWeb {margin-top: 0.0694in !important;margin-bottom: 0.0694in !important;line-height: 1 !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 p.NormalWeb span {hyphenate: false;font-family: Times New Roman;font-size: 12pt;hyphenate: false;} div#h5p_6a7c0ee19a7d0 span.Strong {font-weight: bold !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 p.Title span {hyphenate: false;font-family: Calibri Light;color: #323E4F;letter-spacing: 0.0034in;font-size: 26pt;hyphenate: false;} div#h5p_6a7c0ee19a7d0 span.TitleChar {font-family: Calibri Light !important;color: #323E4F !important;letter-spacing: 0.0034in !important;font-size: 26pt !important;} div#h5p_6a7c0ee19a7d0 span.Heading2Char {font-family: Calibri Light !important;font-weight: bold !important;color: #5B9BD5 !important;font-size: 13pt !important;} div#h5p_6a7c0ee19a7d0 div {font-size: 11pt;} div#h5p_6a7c0ee19a7d0 table {margin-left: 0in;border-collapse:

collapse;writing-mode: lr-tb;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 table tr {height: 0in;keep-together: auto;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 table td, table th {background-color: transparent;vertical-align: top;wrap-option: wrap;font-size: 11pt;} div#h5p_6a7c0ee19a7d0 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_6a7c0ee19a7d0 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;}

Practice Paper for Time and Work of AILET Maths SectionIf the total amount of work completed in a day is 1/7, how long will it take for the work to be complete?If one man can finish a work in 10 days, how much work will be done in total by two men in one day?Kashish and Karan can finish a work in 50 days and Kashish alone can do it in 70 days. How long will it take for Karan to finish the entire work all by himself?If Akash finishes constructing a wall in 10 days and Ashish finishes constructing a wall in 20 days, how many days will it take to construct the wall if both work together?A finishes a work in 2 days, B finishes it in 6 days and C finishes it in 4 day. How many time will it take if they all work together?Prabal finishes painting a house in 25 hours and Pratibha finishes the same work in 30 hours. They work together for 5 hours and then Pratibha goes away. How many more days will it take for Prabal to finish the work?Riya and Tia can complete a work in 15 days, Tia and Sia can finish it in 20 days and Riya and Sia can finish it in 10 days. How long will it take if all three work together?Tap A fills the cistern in 5 hours and Tap B fills the cistern in 7 hours. The tank can be emptied by Tap C in 4 hours. If all the tap are opened simultaneously, how long will it take the empty cistern to be completely filled?If Lokesh finishes the work in 2 days and Lalita finishes the work in 5 days, how many days will it take to do the work if both work together?DO IT YOURSELFIf Tap A fills the water tank in 9 hours and Tap to fills the water tank in 3 hours, how long will it take for the water tank to be completely filled? ANSWERS WITH EXPLANATIONSNo. of days it will take for the work to be complete = 1/ (1/7) = 7 daysAmount of work done by one man in one day = 1/10Amount of work done by two men in one day = 1/10 + 1/10 = 2/10 = 1/5N one day, amount of work Kashish and Karan can finish = 1/50In one day, amount of work Kashish can alone do = 1/70In one day, amount of work Karan can alone do = (1/50 – 1/70) = 1/175Therefore, no. of days Karan will take alone to finish the work = 1/ (1/175) = 175 daysIn one day, amount of work done by Akash =

1/10In one day, amount of work done by Ashish = 1/20In one day, work done by Akash and Ashish together = [(1/10) + (1/20)] = 3/20Therefore, days taken if they work together = 20/3 = 6. 66 daysIn one day, amount of work done by A = 1/2In one day, amount of work done by B = 1/6In one day, amount of work done by C = 1/4In one day, amount of work done if they work together = [(1/2 + (1/6) + (1/4)] = 11/12Therefore days taken in finishing the work together = 12/11 = 1 day (approx.)Portion of house painted by Prabal in one hour = 1/25Portion of house painted by Parthia in one hour = 1/30Portion of house painted by them together in one hour = 1/25 + 1/30 = 11/150 Portion of house painted by them together in 5 hours = 5*(11/150) = 11/30Remaining work = 1- (11/30) = 19/30Prabal can paint the remaining house in (19/30) * 25 = 15.8 hoursOne day work of Riya and Tia = 1/15One day work of Tia and Sia = 1/20One day work of Riya and Sia = 1/102 (Riya + Tia + Sia)'s one day work = (1/15) + (1/20) + (1/10) = 13/60(Riya + Tia + Sia)'s one day work = 13/120Together, they can finish the work = 120/13 = 9. 23 daysTap A fills 1/5 of the tank in one hour.Tap B fills 1/7 of the tank in one hour.Tap C empties 1/4 of the tank in one hour. Thus, in 1 hour [(1/5) + (1/7) – (1/4)] th i.e. 13/140 of the tank is filled.If all the three taps are opened together, the time taken to fill the tank = 140/13 = 10.76 Hours

In one day, amount of work done by Lokesh = 1/2In one day, amount of work done by Lalita = 1/5In one day, work done by Lokesh and Lalita together = [(1/2) + (1/5)] = 7/10Therefore, days taken if they work together = 10/7 = 1.4 days (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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