

Practice Paper for Time and Work of AILET Maths Section

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Practice Paper for Time and Work of AILET Maths Section

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.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()
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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
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
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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 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 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: -
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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 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 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;}
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p.ListParagraph {margin-left: 0.5in !important;font-size: 11pt;} div#h5p_6a7c0ee19a7d0
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!important;border-bottom: 0.0138in solid #5B9BD5 !important;border-right: none
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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;}
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Practice Paper for Time and Work of AILET Maths Section

If the total amount of work completed in a day is $\frac{1}{7}$, 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 YOURSELF

If 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 EXPLANATIONS

No. of days it will take for the work to be complete = $\frac{1}{(1/7)}$

$$= 7 \text{ days}$$

Amount of work done by one man in one day = $\frac{1}{10}$

Amount of work done by two men in one day = $\frac{1}{10} + \frac{1}{10} = \frac{2}{10}$

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

N one day, amount of work Kashish and Karan can finish = $\frac{1}{50}$

In one day, amount of work Kashish can alone do = $\frac{1}{70}$

In one day, amount of work Karan can alone do = $(\frac{1}{50} - \frac{1}{70}) = \frac{1}{175}$

Therefore, no. of days Karan will take alone to finish the work = $\frac{1}{(1/175)} = 175 \text{ days}$

In one day, amount of work done by Akash =

1/10 In one day, amount of work done by Ashish = 1/20 In one day, work done by Akash and Ashish together = $[(1/10) + (1/20)] = 3/20$ Therefore, days taken if they work together = $20/3 = 6\frac{2}{3}$ days

66 days In one day, amount of work done by A = 1/2 In one day, amount of work done by B = 1/6 In one day, amount of work done by C = 1/4 In one day, amount of work done if they work together = $[(1/2) + (1/6) + (1/4)] = 11/12$ Therefore days taken in finishing the work together = $12/11 = 1$ day (approx.)

Portion of house painted by Prabal in one hour = 1/25 Portion of house painted by Parthia in one hour = 1/30 Portion 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 = $5 \times (11/150) = 11/30$ Remaining work = $1 - (11/30) = 19/30$ Prabal can paint the remaining house in $(19/30) \times 25 = 15.8$ hours

One day work of Riya and Tia = 1/15 One day work of Tia and Sia = 1/20 One 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 = $13/60$

13/120 Together, they can finish the work = $120/13 = 9\frac{3}{13}$ days

Tap 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 $[(1/5) + (1/7) - (1/4)]$ 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 = 1/2 In one day, amount of work done by Lalita = 1/5 In one day, work done by Lokesh and Lalita together = $[(1/2) + (1/5)] = 7/10$ Therefore, days taken if they work together = $10/7 = 1.4$ days

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(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, orderBy){ 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(/
```

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/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));
```

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