

To the Reader: This document provides an alignment of Etraffic’s Pilot Math 6 student print and digital media resources (Concept Capsule and Notepad Tutor Lessons) with other publisher’s Math 6 resources.

## Strand: Number

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 1, Lesson 1</b> <b>Notepad Tutor Lessons:</b> <b>1. Place Value to 100 000 000</b>	Unit 2, Lesson 2, pp. 51–54; Unit 2, Unit Problem, pp. 84, 85	Chapter 2, Lessons 1 – 8, p. 32 - 65
<b>Unit 1, Lessons 2 and 11</b> <b>Notepad Tutor Lessons:</b> <b>1. Translating Word Problems</b> <b>2. When and When Not to Use Technology</b> <b>3. Determining if a Decimal Answer is Reasonable</b> <b>4. Order of Operations in Problem Solving with Decimals</b>	Unit 2, Lesson 2, pp. 51–54; Unit 2, Unit Problem, pp. 84, 85	Chapter 2, Lessons 1 – 3, p. 33 - 44
<b>Unit 1, Lessons 3 – 5</b> <b>Concept Capsules:</b> <b>1. Identifying Multiples</b> <b>2. Prime Factorization</b> <b>Notepad Tutor Lessons:</b> <b>1. Comparing Factors Using Graphic Organizers</b>	Unit 2, Lesson 3, pp. 55–58; Unit 2, Lesson 4, pp. 59–62; Unit 2, Lesson 5, pp. 63–66; Unit 2, Game, p. 67; Unit 2, Lesson 6, pp. 68, 69	Chapter 3, Lessons 1 – 8, p. 66 - 97
<b>Unit 1, Lessons 6 – 7</b> <b>Notepad Tutor Lessons:</b> <b>1. Making Predictions</b>	Unit 5, Lesson 1, pp. 162–165; Unit 5, Lesson 2, pp. 166–169; Unit 5, Game, p. 170; Unit 5, Lesson 3, pp. 171–175; Unit 5, Lesson 6, pp. 184, 185; Unit 5, Unit Problem, pp. 196, 197	Chapter 7, Lessons 1 – 7, p. 208 - 237
<b>Unit 4, Lessons 1 – 2</b> <b>Concept Capsule:</b> <b>1. Adding Mixed Numbers with Like Denominators</b> <b>2. Understanding Ratios</b>	Unit 5, Lesson 4, pp. 176–179; Unit 5, Lesson 5, pp. 180–183; Unit 5, Lesson 6, pp. 184,	Chapter 6, Lessons 1 – 2, p. 178 – 185 Chapter 6, Lesson 5, p. 195 Chapter 6, Lesson 7, p. 200 - 202

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Notepad Tutor Lessons:</b> 1. Understanding Ratios 2. Fractions as Parts of a Whole or Set	185; Unit 5, Unit Problem, pp. 196, 197	
<b>Unit 4, Lessons 3 – 5</b> <b>Concept Capsule:</b> 1. Creating Circle Graphs 2. Pictorial Representations of Percents <b>Notepad Tutor Lessons:</b> 1. Percents as Ratios and Fractions	Unit 5, Lesson 7, pp. 186–189; Unit 5, Lesson 8, pp. 190–193; Unit 5, Unit Problem, pp. 196, 197	Chapter 6, Lesson 3, p. 186 – 189 Chapter 6, Lessons 4 – 7, p. 192 - 202
<b>Unit 2, Lessons 1 – 2</b> <b>Concept Capsule:</b> 1. Ordering Decimals (to thousandths) <b>Notepad Tutor Lessons:</b> 1. Understanding Integers 2. Comparing Integers	Unit 2, Lesson 8, pp. 74–77; Unit 2, Lesson 9, pp. 78–81; Unit 2, Unit Problem, pp. 84, 85	Chapter 3, Lessons 7 – 8, p. 90 - 95
<b>Unit 1, Lessons 9 – 10</b> <b>Notepad Tutor Lessons:</b> 1. Multiplication with Decimals (1-Digit Whole Number Multiplier) 2. Long Division (1-Digit Divisor by 3-Digit Dividend) 3. Division with Decimals (3-Digit by 1-Digit Natural Number Divisor)	Unit 3, Lesson 2, pp. 92–94; Unit 3, Lesson 3, pp. 95–98; Unit 3, Lesson 4, pp. 99–102; Unit 3, Lesson 5, pp. 103–107; Unit 3, Lesson 6, pp. 108–111; Unit 3, Lesson 7, pp. 112–114; Unit 3, Game, p. 115; Unit 3, Lesson 8, pp. 116, 117; Unit 3, Unit Problem, pp. 120, 121	Chapter 9, Lessons 1 – 7, p. 288 - 317
<b>Unit 2, Lesson 3</b> <b>Notepad Tutor Lessons:</b> 1. Order of Operations (excluding exponents)	Unit 2, Lesson 7, pp. 70–73	Chapter 3, Lesson 9, p. 98 - 100

## Strand: Patterns and Relations (Patterns)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 1, Lessons 7 – 9</b> <b>Concept Capsule:</b> 1. Modelling and Describing Patterns in Tables <b>Unit 2, Lessons 4 and 9</b> <b>Concept Capsule:</b>	Unit 1, Lesson 1, pp. 6–10; Unit 1, Lesson 2, pp. 11–15; Unit 1, Lesson 3, pp. 16, 17; Unit 1, Game, p. 18; Unit 1, Lesson 4, pp. 19–23; Unit 1, Unit Problem, pp. 42,	Chapter 1, Lessons 1 – 2, p. 1 – 11 Chapter 1, Lesson 6, p. 24 - 27

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>1. Problem Solving Using a Table of Values</b>	43	
<b>Unit 2, Lesson 11</b> <b>Concept Capsule:</b> <b>1. Tables of Values and Graphs</b>	Unit 1, Lesson 4, pp. 19–23; Unit 1, Lesson 6, pp. 29–32; Unit 1, Unit Problem, pp. 42, 43	Chapter 1, Lessons 3 – 4, p. 12 - 16

## Strand: Patterns and Relations (Variables and Equations)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 2, Lessons 4 and 5</b> <b>Concept Capsule:</b> <b>1. Writing Addition and Subtraction Equations for Word Problems</b> <b>Notepad Tutor Lessons:</b> <b>1. Expressions vs. Equations</b>  <b>Unit 2, Lesson 7</b> <b>Notepad Tutor Lesson:</b> <b>1. Writing Equivalent Forms of a Given Equation</b>	Unit 1, Lesson 4, pp. 19–23; Unit 1, Lesson 7, pp. 33–35; Unit 1, Unit Problem, pp. 42, 43; Unit 6, Lesson 7, pp. 226–230; Unit 6, Lesson 8, pp. 231–234	Chapter 1, Lesson 5, p. 20 - 24
<b>Unit 3, Lessons 11 and 12</b> <b>Unit 2, Lesson 6 and 8</b> <b>Notepad Tutor Lessons:</b> <b>1. Problem Solving Using a Subtraction Equation</b> <b>2. Multiplication Equations</b> <b>3. Division Equations</b> <b>4. Solving Equations Using Preservation of Equality</b>	Unit 1, Lesson 8, pp. 36–39	Chapter 1, Lesson 5, p. 20 - 24

## Strand: Shape and Space (Measurement)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 3, Lessons 1 and 2</b> <b>Concept Capsule:</b> <b>1. Drawing Angles</b> <b>Notepad Tutor Lessons:</b> <b>1. 45, 90, and 180 degree angles</b>	Unit 4, Lesson 1, pp. 126–129; Unit 4, Lesson 2, pp. 130–132; Unit 4, Lesson 3, pp. 133–138; Unit 4, Lesson 4, pp. 139–142; Unit 4, Game, p. 143;	Chapter 8, Lessons 1 – 5, p. 242 - 262

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
	Unit 4, Lesson 5, pp. 144, 145; Unit 4, Unit Problem, pp. 156, 157	
<b>Unit 3, Lesson 5</b> <b>Concept Capsule:</b> <b>1. Interior Angles of Triangles and Quadrilaterals</b>	Unit 4, Lesson 6, pp. 146–149; Unit 4, Lesson 7, pp. 150–153; Unit 4, Unit Problem, pp. 156, 157	Chapter 8, Lessons 6 – 7, p. 266 - 273
<b>Unit 3, Lessons 11 – 13</b> <b>Concept Capsule:</b> <b>1. Area of Rectangles vs. Area of Parallelograms</b> <b>Notepad Tutor Lessons:</b> <b>1. Problem Solving Using the Perimeter of a Rectangle</b> <b>2. Determining Volume Using a Formula</b>	Unit 6, Lesson 7, pp. 226–230; Unit 6, Lesson 8, pp. 231–234; Unit 6, Lesson 9, pp. 235–238; Unit 6, Game, p. 239; Unit 6, Unit Problem, pp. 242, 243	Chapter 8, Lessons 8 – 11, p. 274 - 283

## Strand: Shape and Space (3-D Objects and 2-D Shapes)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 3, Lesson 4</b>	Unit 6, Lesson 1, pp. 200–204; Unit 6, Lesson 2, pp. 205–208; Unit 6, Lesson 3, pp. 209–213; Unit 6, Unit Problem, pp. 242, 243	Chapter 11, Lessons 1 – 4, p. 348 – 361
<b>Unit 3, Lessons 3 and 6</b> <b>Concept Capsule:</b> <b>1. Congruence of a Regular Polygon</b> <b>Notepad Tutor Lessons:</b> <b>1. Corresponding Parts of Congruent Shapes</b>	Unit 6, Lesson 4, pp. 214–218; Unit 6, Lesson 5, pp. 219–223; Unit 6, Lesson 6, pp. 224, 225; Unit 6, Unit Problem, pp. 242, 243	Chapter 11, Lessons 5 – 7, p. 364 - 373

## Strand: Shape and Space (Transformations)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 3, Lessons 8 and 9</b>	Unit 8, Lesson 3, pp. 303–307; Unit 8, Lesson 4, pp. 308–312; Unit 8, Lesson 6, pp. 318, 319; Unit 8, Game, p. 321; Unit 8, Unit Problem, pp. 324, 325	Chapter 5, Lessons 1-3, p. 148 - 155

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 3, Lesson 10</b> <b>Concept Capsule:</b> <b>1. Analyzing Tessellations</b>	Unit 8, Lesson 5, pp. 313–317; Unit 8, Technology Lesson, p. 320; Unit 8, Unit Problem, pp. 324, 325	Chapter 5, Lessons 4 – 5, p. 158 -165
<b>Unit 2, Lessons 10 and 12</b> <b>Concept Capsule:</b> <b>1. The Basics of Plotting Points on a Cartesian Plane</b> <b>Notepad Tutor Lessons:</b> <b>1. Distances Between Points in First Quadrant of a Cartesian Plane</b>  <b>Unit 3, Lesson 7</b> <b>Notepad Tutor Lessons:</b> <b>1. Reflections in First Quadrant of a Cartesian Plane</b> <b>2. Translations in First Quadrant of a Cartesian Plane</b>	Unit 1, Lesson 5, pp. 24–28; Unit 1, Unit Problem, pp. 42, 43; Unit 8, Lesson 1, pp. 290–294	Chapter 4, Lesson 4, p. 120 - 123
<b>Unit 3, Lesson 7</b> <b>Notepad Tutor Lessons:</b> <b>1. Describing Rotations around a Fixed Point</b>	Unit 8, Lesson 2, pp. 295–300; Unit 8, Technology Lesson, pp. 301, 302; Unit 8, Game, p. 321	Chapter 5, Lesson 1, p. 148 - 150

## Strand: Statistics and Probability (Data Analysis)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 2, Lessons 11, 14, and 15</b>	Unit 7, Lesson 3, pp. 259–262; Unit 7, Lesson 4, pp. 263–266	Chapter 4, Lessons 5 – 7, p. 126 - 139
<b>Unit 2, Lessons 13 and 15</b> <b>Notepad Tutor Lessons:</b> <b>1. First-hand and Second-hand Data</b> <b>2. Interpreting Line Graphs</b> <b>3. Using or not using Outliers</b>	Unit 7, Lesson 1, pp. 248–251; Unit 7, Technology Lesson, pp. 252–254; Unit 7, Lesson 2, pp. 255–258	Chapter 4, Lessons 1 – 3, p. 110 - 119
<b>Unit 2, Lesson 15</b> <b>Unit 4, Lesson 5</b>	Unit 7, Lesson 4, pp. 263–266; Unit 7, Lesson 5, pp. 267–270; Unit 7, Unit Problem, pp. 286, 287	Chapter 4, Lesson 4, p. 120 - 123

## Strand: Statistics and Probability (Chance and Uncertainty)

Pilot Math 6	Pearson Math Makes Sense 6	Nelson Math Focus 6
<b>Unit 4, Lessons 6 – 8</b> <b>Notepad Tutor Lessons:</b> <b>1. Solving Probability Problems Involving Two Independent Events</b> <b>2. Theoretical vs. Experimental Probability</b>	Unit 7, Lesson 6, pp. 271–275; Unit 7, Lesson 7, pp. 276–279; Unit 7, Technology Lesson, p. 280; Unit 7, Game, p. 281; Unit 7, Lesson 8, pp. 282, 283; Unit 7, Unit Problem, pp. 286, 287	Chapter 10, Lessons 1 – 4, p. 324 - 345