

MATH 6

Third Edition

Teacher's Edition




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LESSON PLAN OVERVIEW

Lesson	TE Pages	Student Pages	Skill Focus	Daily Review	Christian Worldview Shaping
Chapter 1: Add & Subtract					
1	4–5	2–5	place value through the Billions period standard form, word form, expanded form, and expanded form with multiplication value of digits in a whole number compare using $>$, $<$, or $=$ round to the place of greatest value or to a given place	addition and subtraction facts	
2	6–7	6–7	addition strategies for mental math add whole numbers estimate the sum by rounding or using front-end estimation addition word problems	addition and subtraction facts multiplication facts	
3	8–9	8–9	Zero Principle of Subtraction subtract whole numbers estimate the difference by rounding or using front-end estimation subtraction word problems check a subtraction problem using addition	place value order numbers compare numbers multiplication facts	
4	10–11	10–11	decimal place value through the Ten-Thousandths place decimals in standard form, word form, fraction form, expanded form, and expanded form with multiplication value of digits in a decimal compare and order decimals round decimals to the place of greatest value or to a given place	bar graph line graph addition and subtraction word problems	
5	12–13	12–13	apply addition properties to decimals: Commutative, Identity, & associative add and subtract decimals estimate sums and differences check a subtraction problem using addition	bar graph division facts	
6	14–15	14–15	inverse relationship between addition and subtraction part-whole model to solve missing addend, missing subtrahend, and missing minuend word problems write an equation for a word problem multi-step word problems	place value compare numbers division facts	Christian behavior as showing God's love to others Man created in God's image Fall of man God's provision for man's sin
7	16–17	16–17	compare and order positive and negative numbers identify the number that is 1 more or 1 less plot positive and negative numbers on a number line add positive and negative numbers using a number line	order decimals and numbers add and subtract decimals multiplication and division facts	
8	18–19	18–19	read and write Roman numerals complete a sequence of Roman numerals	part-whole model round to the greatest place to estimate a sum or difference addition and subtraction facts	
9	20–21	20–21	use logic to identify number patterns use a pattern to solve a problem	compare and order positive and negative numbers multiplication and division facts	
10	22–23	22–23	Chapter 1 Review		
11 *TP	24–25	24–27	Chapter 1 Test Grade 5 Review		

*TP : Test Prep (Standardized Test Preparation)

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Chapter 2: Multiply by a Whole Number					
12	30–31	28–31	factor, product, and multiple write a mathematical expression for a word phrase solve multiplication equations with a multiplication dot, parentheses, or variables prime and composite numbers Greatest Common Factor (GCF) Least Common Multiple (LCM) Multiplication Properties: Commutative, Identity, Zero, Associative	place value compare numbers round to the greatest place	
13	32–33	32–33	multiply multiples of 10 apply multiplication properties to multiples of 10 analyze patterns to multiply multiples of 10 using mental math	round to the greatest place to estimate the sum add decimals and whole numbers	
14	34–35	34–35	exponents squares expanded form with multiplication using exponents (powers of 10)	subtract whole numbers and decimals related addition equation round to the greatest place to estimate the difference	
15	36–37	36–37	multiply a whole number by a 1- or 2-digit multiplier Distributive Property of Multiplication over Addition estimate the product by rounding to the place of greatest value and by using front-end estimation multiplication word problems	place value standard form and word form order decimals round decimals to the greatest place	
16	38–39	38–39	multiply a decimal by a 1- or 2-digit multiplier estimate the product by rounding to the greatest place Distributive Property of Multiplication over Addition decimal word problems, including money problems multi-step word problems multiply a decimal by a power of 10	compare positive and negative numbers add positive and negative numbers plot positive and negative numbers on a number line multiplication facts	
17	40–41	40–41	multiply by a 3-digit multiplier estimate the product by rounding to the greatest place money multiplication problems determine the number of partial products apply strategies to multiply mentally	stem-and-leaf plot	Man's use of God's resources Goal setting
18	42–43	42–43	perfect squares square root of a perfect square Pythagorean Theorem	division facts related multiplication equations	
19	44–45	44–45	Chapter 2 Review		
20 TP	46–47	46–49	Chapter 2 Test Cumulative Review		
Chapter 3: Divide by a Whole Number					
21	52–53	50–53	dividend, divisor, and quotient inverse relationship between multiplication and division divide by a 1-digit divisor to find 2- and 3-digit quotients interpret a remainder in a division word problem	multiplication terms and properties multiply by a 3-digit multiplier	
22	54–55	54–55	divisibility rules divide multiples of 10, using mental math divide by a 2-digit multiple of 10 estimate a quotient interpret a remainder in a division word problem check a division problem using multiplication	fraction terms compare fractions	
23	56–57	56–57	estimate a quotient divide by 2-digit divisors adjust the quotient in a division problem interpret a remainder in a division word problem check a division problem using multiplication	line, line segment, ray parallel, perpendicular, and intersecting lines	

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24	58–59	58–59	divide a decimal by a 1-digit whole number annex a 0 to rename a decimal check a division problem using multiplication estimate a quotient divide to find a quotient less than 1 express a fraction as an equivalent decimal interpret a remainder in a division word problem	perimeter area volume	
25	60–61	60–61	determine an average (mean) or a unit rate divide a decimal by a 2-digit whole number estimate a quotient divide to find a quotient less than 1 annex a 0 to rename a decimal interpret a remainder in a division word problem express a fraction as an equivalent decimal	measure inches and half inches customary conversions	Man's God-given dominion God's use of creation for His purposes
26	62–63	62–63	divide by a power of 10 divide whole numbers by 1-, 2-, and 3-digit divisors divide decimals by 1-, 2-, and 3-digit whole numbers estimate a quotient interpret a remainder in a division word problem	line graph range	
27	64–65	64–65	Order of Operations complete an expression to make an equation true	number sense word problems	
28	66–67	66–67	multi-step problems use the Order of Operations to write an equation for a multi-step problem	add and subtract 2- and 3-digit numbers multiply by 2- and 3-digit multipliers divide by a 2-digit divisor	
29	68–69	68–69	Chapter 3 Review		
30 TP	70–71	70–73	Chapter 3 Test Cumulative Review		
Chapter 4: Fraction Theory					
31	76–77	74–77	Greatest Common Factor (GCF) of two or more numbers: list factors, create a Venn diagram, construct a factor tree to evaluate the prime factorization apply the GCF to problem-solving situations	prime and composite numbers exponent form multiply by a 3-digit multiplier	
32	78–79	78–79	determine the GCF of two numbers Least Common Multiple (LCM) of two or more numbers: list multiples, create a Venn diagram, construct a factor tree to evaluate the prime factorization prime factorizations using exponential notation apply the LCM to problem-solving situations	divisibility rules Order of Operations long division	
33	80–81	80–81	write a fraction to name part of a whole, a point on a number line, and part of a set draw and complete fraction models identify fractions equivalent to 1	fractions compare fractions	
34	82–83	82–83	rename a mixed number as an improper fraction rename an improper fraction as a mixed number draw a model to solve a word problem	identify a right triangle identify radii and diameters identify shapes	
35	84–85	84–85	rename fractions to higher, lower, and lowest terms use cancellation to rename fractions to lowest terms	number sense positive and negative numbers prime and composite numbers	
36	86–87	86–87	write an inequality to express unequal relationships compare and order fractions using number sense or common denominators (LCM) compare and order mixed numbers and improper fractions	perimeter area long division	
37	88–89	88–89	write an inequality to express unequal relationships compare and order fractions using number sense, common denominators (LCM), cross-multiplication, or by renaming as decimals	bar graph	
38	90–91	90–91	use a fraction model to represent a percent write a percent as a fraction in lowest terms write a fraction as a percent a circle graph	add positive and negative numbers using a number line Order of Operations	Man's knowledge and wise application of God's Word to help his fellow man

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39	92–93	92–93	Chapter 4 Review		
40 TP	94–95	94–97	Chapter 4 Test Cumulative Review		
Chapter 5: Add & Subtract Fractions					
41	100–101	98–101	identify fractions equivalent to 1 and to $\frac{1}{2}$ write an inequality to express an unequal relationship estimate the sum or the difference of mixed numbers and fractions by rounding to the nearest 1 or $\frac{1}{2}$	rename improper fractions and mixed numbers write the fraction in lowest terms identify the GCF	
42	102–3	102–3	add and subtract fractions and mixed numbers with like denominators rename an improper fraction as a mixed number simplify fractions by renaming to lowest terms fraction word problems estimate the sum or the difference of mixed numbers by rounding to the nearest whole number apply addition properties to fractions	Order of Operations add with 3-, 4-, and 6-digit numbers subtract with 2-, 3-, and 4-digit numbers multiply and divide	
43	104–5	104–5	add and subtract fractions and mixed numbers with unlike (related) denominators multiply to rename fractions to higher terms simplify fractions by renaming to lowest terms fraction word problems estimate the sum or the difference	identify shapes identify a face, edge, vertex, and curved surface multiply and divide	
44	106–7	106–7	add and subtract unlike (unrelated) fractions estimate the sum of a fraction equation multiply unlike denominators to find a common denominator Least Common Denominator: list multiples, create a Venn diagram, construct a factor tree to evaluate the prime factorization prime factorizations using exponential notation	place value add and subtract decimals multiply and divide decimals	
45	108–9	108–9	compare fractions and mixed numbers round fractions to the nearest 0, $\frac{1}{2}$, or 1 to estimate add and subtract fractions and mixed numbers solve problems with 3 addends word problems using the Least Common Denominator	measurement customary conversions identify the best unit of measurement	God's perfect design God's knowledge of each individual Man's responsibility to glorify God
46	110–11	110–11	guess-and-check	Order of Operations and properties part-whole model fractions to show probability	
47	112–13	112–13	Chapter 5 Review		
48 TP	114–15	114–117	Chapter 5 Test Cumulative Review		
Chapter 6: Plane Figure Geometry					
49	120–21	118–21	identify, name, and draw points, lines, and planes distinguish between collinear and noncollinear points identify or graph the location of a point on a coordinate plane, naming the coordinates and the quadrant points, lines, and planes in everyday life	addition and subtraction multiply and divide solve a word problem	
50	122–23	122–23	graph points on a coordinate plane to form a line identify lines as intersecting, perpendicular, or parallel use variables to represent coordinates on a coordinate plane complete an input/output table relate lines to real-life situations	circle graph connect fractions with percents	
51	124–25	124–25	identify and name rays and angles classify angles: right, acute, obtuse, straight use a protractor to measure and draw angles relate geometry to everyday life	place value order numbers round to the greatest place multiplication and division	
52	126–27	126–27	supplementary and complementary angles find the unknown measure of an angle in a pair of supplementary angles and in a pair of complementary angles recognize angles: right, acute, obtuse, straight use a protractor to measure angles	write the equivalent unit of time calendar write the equivalent unit of measurement weight and capacity	

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53	128–29	128–29	identify and name line segments regular and irregular polygons number of sides and interior angles in a polygon graph points on a coordinate plane to form a polygon	add and subtract fractions and mixed numbers	
54	130–31	130–31	sum of the measures of the angles in a triangle equals 180° find the unknown measure of an angle in a triangle classify triangles by their angles: right, acute, obtuse classify triangles by their sides: equilateral, isosceles, scalene measure the angles in a triangle using a protractor	perimeter area volume	
55	132–33	132–33	regular and irregular polygons classification of quadrilaterals sum of the angles of a quadrilateral equals 360° find the unknown measure of an angle in a quadrilateral measure the angles in a quadrilateral using a protractor	add positive and negative numbers add and subtract fractions, mixed numbers multiply and divide	
56	134–35	134–35	similar and congruent polygons corresponding angles and line segments ratios for corresponding sides in a pair of polygons draw congruent and similar polygons	number sense with fractions compare fractions add and subtract mixed numbers	
57	136–37	136–37	transformations: translation, rotation, reflection draw a transformed figure symmetrical figures draw lines of symmetry on a figure	add, subtract, multiply, divide word problems with decimals	
58	138–39	138–39	find the diameter/radius given the radius/diameter circle: center, radius, chord, diameter, central angle draw a circle using a protractor measure the central angles of a circle using a protractor relate fractions of a circle to corresponding degrees in a circle to make a circle graph	use the chart to find the average, range, median line graph	
59	140–41	140–41	polyhedrons 3-dimensional figures that are not polyhedrons classify 3-dimensional figures as spherical, conical, or cylindrical faces, vertices, and edges in polyhedrons construct polyhedrons	add positive and negative numbers order numbers	
60	142–43	142–43	Chapter 6 Review		Man's demonstration of God's love Man as steward of God's creation
61 TP	144–45	144–47	Chapter 6 Test Cumulative Review		
Chapter 7: Multiply Fractions & Decimals					
62	150–51	148–51	multiply a whole number and a fraction multiply to find a fraction of a whole number or of a fraction use manipulatives to multiply fractions rename a whole number as an improper fraction solve a multiplication word problem	addition, subtraction, multiplication, division facts input/output tables	
63	152–53	152–53	use cancellation when multiplying fractions multiply to find a fraction of a fraction identify the reciprocal of a fraction write and solve an equation for a word problem	list the factors find the GCF and LCM rename fractions to lowest terms add and subtract fractions	
64	154–55	154–55	multiply mixed numbers rename an improper fraction as a mixed number rename a mixed number as an improper fraction use the Distributive Property to multiply mixed numbers use cancellation when multiplying mixed numbers write and solve an equation for a word problem estimate products of mixed numbers and fractions	coordinate graph multiplication and division	
65	156–57	156–57	multiply a decimal by a decimal understand the relationship between decimals and fractions round to estimate the product of fractions apply the Distributive Property to multiply decimals use mental math to multiply a decimal and a power of 10	choose the best unit of measure Celsius temperature add and subtract	

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66	158–59	158–59	multiply a decimal by a decimal understand the relationship between decimals and fractions annex zeros in the product estimate the product by rounding	word problems write a ratio	Man's responsibility for his actions Honesty Dependability
67	160–61	160–61	develop an understanding of our infinite number system fractions and decimals that come between two numbers multi-step word problems	write a fraction in decimal form write a percent in fraction form connect a fraction with a percent	
68	162–63	162–63	Chapter 7 Review		
69 TP	164–65	164–67	Chapter 7 Test Cumulative Review		
Chapter 8: Divide Fractions					
70	170–71	168–71	divide a whole number, fraction, or mixed number by a fraction number line to solve a division equation with fractions draw a diagram to solve a division equation with fractions check a division problem using multiplication write and solve an equation for a word problem	classify triangles find the measure of the unknown angle	
71	172–73	172–73	divide a fraction to find a quotient with a remainder draw a diagram to solve a division equation with fractions use a number line to solve a division equation with fractions check a division problem using multiplication	estimate the product and quotient addition and subtraction solve the expression	Man's use of God's resources Man's demonstration of God's love
72	174–75	174–75	identify the reciprocal of a fraction divide by multiplying by the reciprocal of the divisor draw a diagram for a division word problem with fractions check a division problem using multiplication multiplication and division equations for a fraction family	multiply fractions and mixed numbers using cancellation and the Distributive Property fraction word problems	
73	176–77	176–77	divide mixed numbers divide mixed numbers by multiplying by the reciprocal check a division problem using multiplication draw a diagram or use a number line to solve a division equation with a mixed number write and solve an equation for a word problem	identify quadrilaterals find the measure of the unknown angle	
74	178–79	178–79	write and solve a multi-step equation Order of Operations	chart using mass measurement word problems	
75	180–81	180–81	apply mathematical properties to evaluate expressions with fractions Order of Operations substitute a given value for a variable in an expression	line graph temperature word problems	
76	182–83	182–83	apply Order of Operations to multi-step equations multi-step problems with too much or too little information	add, subtract, multiply, and divide with decimals decimal and fraction word problems	
77	184–85	184–85	Chapter 8 Review		
78 TP	186–87	186–89	Chapter 8 Test Cumulative Review		
Chapter 9: Divide Decimals					
79	192–93	190–93	divide a decimal by a 1-digit whole number estimate the quotient of a decimal division problem check a division problem using multiplication annex a 0 to rename a decimal divide a decimal by a power of 10 using mental math	partition figures to find the quotient divide fractions multiply by the reciprocal	
80	194–95	194–95	divide a decimal by a 1- or a 2-digit whole number estimate the quotient of a decimal division problem divide a whole number by a whole number to find a decimal fraction in the quotient check a division problem using multiplication word problems	Order of Operations part-whole model solve for n unknown measure of an angle	
81	196–97	196–97	estimate the quotient of a decimal division problem divide a decimal by a 1- or a 2-digit whole number terminating and repeating decimal quotients write an equation for a word problem money word problems	compare decimals add, subtract, and multiply decimals decimal word problems	

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82	198–99	198–99	rename a fraction as a decimal by renaming the denominator as a power of ten rename a fraction as a decimal using division identify a quotient as a repeating decimal or a non-repeating, non-terminating decimal compare a decimal and a fraction	perimeter area volume volume and perimeter word problems	
83	200–1	200–1	divide a whole number by a decimal write an equation for a word problem	congruent and similar shapes percent probability: certain, equally likely, impossible	
84	202–3	202–3	divide a whole number by a decimal divide a decimal by a decimal money word problems complete an input/output table	pictograph add, subtract, multiply, and divide money	Honesty Purity of a Christian's heart Christians as faithful workers
85	204–5	204–5	real numbers apply properties to real numbers	find the measure of the unknown angle	
86	206–7	206–7	Chapter 9 Review		
87 TP	208–9	208–11	Chapter 9 Test Cumulative Review		
Chapter 10: Equations					
88	214–15	212–15	write a word phrase as a numeric or algebraic expression algebraic expressions with more than one operation evaluate an expression using substitution Order of Operations	mental math rename a fraction as a decimal add, subtract, multiply, and divide decimals	
89	216–17	216–17	write an equation with two equal expressions determine the variable in an equation evaluate and relate expressions using $>$, $<$, or $=$	factor tree prime factorization in exponent form find the GCF Venn diagram	
90	218–19	218–19	simplify algebraic expressions using manipulatives apply properties to simplify algebraic expressions	mental multiplication and division addition and subtraction round to the nearest hundredth	
91	220–21	220–21	solve algebraic equations using inverse operations: addition and subtraction	whole number place value	
92	222–23	222–23	solve multiplication equations using division (inverse operation) check multiplication equations using substitution write an equation with a variable to solve a word problem	volume area perimeter	Man's responsibility for his actions God's Word as the only true source of guidance
93	224–25	224–25	solve algebraic equations using inverse operations: division and multiplication write an algebraic equation for a word problem picture an inequality on a number line determine if a given number is a solution to an inequality	divide fractions and whole numbers measurement word problems	
94	226–27	226–27	use a Distributive Property to find equivalent expressions solve algebraic equations using inverse operations	lines and points classify polygons classify a triangle by the length of its sides	
95	228–29	228–29	calculate the distance traveled given the rate and the time calculate the rate of travel given the distance and the time calculate the time traveled given the distance and the rate	circle graph add, subtract, divide	
96	230–31	230–31	Chapter 10 Review		
97 TP	232–33	232–35	Chapter 10 Test Cumulative Review		

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Chapter 11: Perimeter & Area					
98	238–39	236–39	measure the perimeter of a figure in centimeters perimeter of a polygon using a formula unknown length of a side of a polygon algebraic expression to find the perimeter of a rectangle	write a word phrase as a number or algebraic expression compare expressions	
99	240–41	240–41	relate the diameter to the circumference of a circle calculate the circumference of a circle using a formula find the diameter of a circle given the circumference relate circumference to real-life situations	add money, whole numbers, decimals, and fractions	
100	242–43	242–43	area formulas: rectangle, square, parallelogram area of a complex figure unknown measurement of a rectangle or square relate area to real-life situations	subtraction	
101	244–45	244–45	area formulas: triangles area of a complex figure find the unknown height of a triangle	apply properties to find an unknown simplify expressions solve using the inverse operation	
102	246–47	246–47	area formula: circle estimate the area of a circle	multiplication	
103	248–49	248–49	conical figures: 1 base; cylindrical figures: 2 congruent bases 3-dimensional figures and their nets surface area of rectangular, square, and triangular prisms construct a triangular prism relate surface area to real-life situations	circle graph line graph money, percent, and fraction word problems	
104	250–51	250–51	surface area of rectangular, square, and triangular prisms surface area of a cylinder make a cylinder net	divide whole numbers and decimals	
105	252–53	252–53	varied perimeter for a fixed area area and perimeter of a rectangle area of a complex figure create a basic floor plan from a fixed area	decimal word problems money word problems	God's loving care God's provision for man Man's use of his God-given dominion and resources
106	254–55	254–55	Chapter 11 Review		
107 TP	256–57	256–59	Chapter 11 Test Cumulative Review		
Chapter 12: Volume					
108	262–63	260–63	volume and capacity volume of a rectangular prism using a model volume of a rectangular prism using a formula relate geometry to real-life situations	simplify expressions write a word phrase as an algebraic expression solve for the variable	
109	264–65	264–65	volume of a cube (square prism) using a model volume of a cube using a formula unknown measurement of a rectangular prism given its volume and the area of the base (or 2 dimensions)	write the equivalent measure compare units of measurement choose the best unit of measurement	
110	266–67	266–67	volume of an irregular prism using a model volume of a triangular prism using a formula relate triangular prisms to rectangular prisms volume of a cylinder using a formula	line graph	
111	268–69	268–69	varied surface area for a fixed volume volume and surface area of a rectangular prism varied volume for a fixed lateral surface area volume and lateral surface area of a cylinder conservation of volume	add, subtract, multiply, divide	
112	270–71	270–71	Chapter 12 Review		God's orderly design God's creation for man's enjoyment
113 TP	272–73	272–75	Chapter 12 Test Cumulative Review		

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Chapter 13: Ratios, Proportions & Percents					
114	278–79	276–79	ratio: word form, ratio form, fraction form equivalent ratios unit rates calculate the distance traveled at a given rate and time	perimeter area volume word problems	
115	280–81	280–81	ratio table use ratios to represent and to solve real-life problems plot the pairs of values in a ratio table on a coordinate plane	compare decimals money word problems write an equation for the word phrase	
116	282–83	282–83	determine whether 2 ratios are proportionate solve for a missing term in a proportion	multiply and divide fractions and mixed numbers rename to lowest terms	Man as steward of God's creation Man's use of wisdom to serve his fellow man
117	284–85	284–85	solve for a missing term in a proportion use proportions to find unknown measures in similar figures find an indirect measurement using proportions and similar figures	classify a triangle by its angles or its sides the unknown measure of an angle in a polygon the measure of a complementary or supplementary angle circle: diameter, chord, radius	
118	286–87	286–87	use a scale and scale drawing, map, or model to find actual measurements determine the length on a scale drawing to represent an actual measurement	write a fraction as a decimal division with repeating digits money word problems	
119	288–89	288–89	express percents as ratios, decimals, and fractions express decimals and fractions as percents compare percents to decimals and fractions solve percent problems	use given values to evaluate the expressions simplify expressions	
120	290–91	290–91	find a percent of a number using equations, models, or proportions solve percent problems	write the time degrees Fahrenheit write the equivalent measurement	
121	292–93	292–93	find the unknown whole in a percent problem using models, equations, or proportions	coordinate plane and ordered pairs	
122	294–95	294–95	calculate the unknown distance, rate of speed, or time (like and unlike units) use a proportion to find an equivalent rate	add, subtract, divide round to the nearest tenth	
123	296–97	296–97	Chapter 13 Review		
124	298–99	298–301	Chapter 13 Test Cumulative Review		
Chapter 14: Measurement					
125	304–5	302–5	linear measurement units: inch, foot, yard, mile estimate measurements using benchmarks measure to the nearest inch, half inch, fourth inch, eighth inch, and sixteenth inch convert linear measurements add and subtract linear measurements	write a ratio as a fraction in lowest terms write a ratio from given data ratio table	
126	306–7	306–7	weight units: ounce, pound, ton capacity units: fluid ounce, cup, pint, quart, gallon convert weight and capacity measurements read a scale add and subtract capacity measurements	compare fractions find the unit rate equivalent ratios	
127	308–9	308–9	metric linear units: kilometer, meter, centimeter, millimeter estimate and measure to the nearest meter, centimeter, and millimeter determine the appropriate linear unit convert metric linear measurements add and subtract metric linear measurements	decimal form, percent form, fraction form percent of a number	
128	310–11	310–11	metric capacity units: liter and milliliter convert liters to milliliters and milliliters to liters metric mass units: gram, kilogram, milligram convert milligrams, grams, and kilograms add or subtract unlike metric units	volume of a prism and a cylinder volume word problems	

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129	312–13	312–13	add, subtract, multiply, and divide measurements solve measurement word problems find a fraction of a measurement	ratio probability word problems	
130	314–15	314–15	standard Celsius and Fahrenheit temperatures read and set a Celsius and Fahrenheit thermometer determine increase/decrease between two temperatures determine the more reasonable temperature convert degrees Celsius to degrees Fahrenheit and degrees Fahrenheit to degrees Celsius	order, compare, and add positive and negative numbers	
131	316–17	316–17	recognize approximate equivalencies between customary and metric measurements compare customary and metric measurements estimate conversions between customary and metric measurements	average	Interrelationship of the parts of creation Man as steward of God's creation
132	318–19	318–19	equivalent units of time tell and write time differentiate between A.M. and P.M. convert units of time add and subtract time 24-hour clock	divide fractions and mixed numbers fraction word problems	
133	320–21	320–21	time zones elapsed time convert units of time	divide decimals write a fraction as a decimal divide fractions with repeating decimal quotients	
134	322–23	322–23	add, subtract, multiply, and divide measurements solve measurement word problems standard Celsius and Fahrenheit temperatures compare values between customary and metric measurements convert measurements tell and write time elapsed time	coordinate plane: ordered pairs	
135	324–25	324–25	write a unit multiplier from an equivalency convert units of measure using a unit multiplier	add, subtract, multiply, divide	
136	326–27	326–27	Chapter 14 Review		
137 TP	328–29	328–31	Chapter 14 Test Cumulative Review		
Chapter 15: Statistics					
138	334–35	332–35	complete a frequency table using given data determine range, mean, median, and mode for a set of data	ratio: word form, ratio form, fraction form write a ratio as a fraction in lowest terms equivalent ratios add, subtract, multiply, divide	
139	336–37	336–37	double bar graph double line graph identify range, mean, median, and mode for a set of data	similar figures write a proportion to find the unknown measure proportion word problems	
140	338–39	338–39	stem-and-leaf plot	percent as a decimal and as a fraction in lowest terms ratio and decimal as a percent frequency table/tally chart	
141	340–41	340–41	line plot cluster, gap, and outlier determine the effects of an outlier	equivalent measurements convert measurements add and subtract measurements	
142	342–43	342–43	histogram	equivalent measurements convert measurements add and subtract measurements	
143	344–45	344–45	box-and-whisker plot lower, middle, and upper quartiles of data	circle graph percent	

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144	346–47	346–47	double bar graph double line graph stem-and-leaf plot line plot histogram box-and-whisker plot	write an improper fraction as a mixed number or a whole number add and subtract fractions and mixed numbers fraction word problems	
145	348–49	348–49	identify range, mean, median, and mode for a set of data record data in a frequency table choose an appropriate graph to display data	add, subtract, multiply, divide add positive and negative numbers solve for the variable	Giving God the best Man as a steward of time
146	350–51	350–51	Chapter 15 Review		
147 TP	352–53	352–355	Chapter 15 Test Cumulative Review		
Chapter 16: Probability					
148	358–59	356–59	probability expressed as a number between 0 and 1 or a percent between 0% and 100% probability as a fraction, a decimal, and a percent theoretical probability of an event probability of the complement of an event	stem-and-leaf plot range, mean, mode, and median	Man exercising dominion over the earth and its resources Man showing love to God
149	360–61	360–61	make a list or a tree diagram to find the sample space Multiplication Counting Principle theoretical probability of an event	write a ratio for the picture write a ratio as a fraction in lowest terms	
150	362–63	362–63	theoretical probability of an event theoretical probability of an event to predict the results of an experiment probability experiment experimental probability of an event make a line plot of the results of an experiment	compare fractions find the unknown measurement equivalent ratios	
151	364–65	364–65	probability experiment experimental probability of an event make a list or a tree diagram to find the sample space and theoretical probability of an event use probability to determine if a game is fair or not fair use probability to make decisions and to make predictions	fraction or decimal as a percent percent of the number percent word problems	
152	366–67	366–67	independent and dependent compound events find the probability of 2–4 independent events or 2–4 dependent events using a formula	coordinate plane: ordered pairs and quadrants	
153	368–69	368–69	Chapter 16 Review		
154 TP	370–71	370–73	Chapter 16 Test Cumulative Review		
Chapter 17: Integers					
155	376–77	374–77	absolute value of a number compare and order integers	compare and order numbers round to the greatest place word form, standard form, expanded form, expanded form with multiplication	
156	378–79	378–79	add integers using manipulatives add integers using a number line write an addition equation for a word problem	add, subtract, multiply, and divide fractions and mixed numbers	
157	380–81	380–81	subtract integers using manipulatives subtract integers using a number line write a subtraction equation for a word problem	measure an angle using a protractor classify angles: acute, obtuse, right, straight diameter unknown measure of an angle rhombus	
158	382–83	382–83	add and subtract integers using a number line and manipulatives relationship between subtracting an integer and adding its opposite write an equation for a word problem	mental math add, subtract, multiply, divide write a fraction as a decimal	

Lesson	TE Pages	Student Pages	Skill Focus	Daily Review	Christian Worldview Shaping
159	384–85	384–85	add and subtract integers solve real-life word problems	word phrase as an algebraic expression simplify expressions	Man's wise use of money
160	386–87	386–87	multiply integers using manipulatives write an equation for a word problem	perimeter circumference area	
161	388–89	388–89	multiply and divide integers write an equation for a word problem	unit rate distance traveled in a given time ratio percent as a decimal and as a fraction in lowest terms write a proportion to find an equivalent ratio	
162	390–91	390–91	add and subtract integers using manipulatives and a number line subtract integers by adding the opposite multiply and divide integers order of operations	experimental probability probability as a fraction and a percent possible combinations	
163	392–93	392–93	graph points on a four-quadrant coordinate plane write ordered pairs to identify points on a coordinate plane	order, compare, add, and subtract integers	
164	394–95	394–95	Chapter 17 Review		
165 TP	396–97	396–99	Chapter 17 Test Cumulative Review		