



Math Intermediate 3 Sampler

2
13
19
24

	ributed Units of Instruction		
Section 1	Lessons 1–10, Investigation 1		
Lesson	Ducklass Calving Over inve		Strands Focus
1	Problem Solving Overview Months and Years Calendar Activity Make a Calendar	1	NO, A, PS, CM, F A, PS
2	Counting Patterns Activity Skip Counting	13	A, PS, CM, C
3	 Reading a Clock to the Nearest Five Minutes Activity Setting a Clock 	17	М
4	 Number Line Thermometer Activity Reading and Recording Temperature 	21	A, G, M, PS, CM C
5	• Fractions of an Hour Activity Fractions of an Hour	28	NO, M
6	Addition	33	NO, R
7	Subtraction	38	NO, PS, CM
8	 Addition and Subtraction Fact Families 	44	NO, CM
9	Unknown Addends	48	NO, PS, CM, C
10	 Adding Three Numbers 	52	NO, PS
Investigation 1	• Pictographs and Bar Graphs Activity Pictograph and Bar Graph	56	DAP
Strands Key: NO = Number and Oper A = Algebra G = Geometry	M = Measurement ations DAP = Data Analysis and Probability PS = Problem Solving	CM = Comr RP = Reaso C = Conneo R = Repres	oning and Proof ctions

Lesson	Lessons 11–20, Investigation 2	Page	Strands Focus
11	Place Value Activity Place Value	59	NO, PS, CM
12	 Reading and Writing Numbers Through 999 	65	NO, CM
13	Adding Two-Digit Numbers Activity Regrouping	69	NO, PS, CM, C
14	Subtracting Two-Digit Numbers Activity Regrouping for Subtraction	75	NO, PS, C
15	Rounding to the Nearest Ten and Hundred	79	NO, CM
16	Adding Three-Digit Numbers	85	NO, PS, CM
17	Comparing and Ordering, Part 1	92	NO, PS, CM
18	 Some and Some More Stories, Part 1 	97	NO, PS, CM, C
19	 Subtracting Three-Digit Numbers, Part 1 	102	NO, PS, CM
20	Some Went Away Stories, Part 1	108	NO, PS, CM, C
Investigation 2	Working with Money Activity Money Exchanges	112	NO, PS, R

Section 3	Lesso	ns 21–30, Investigation 3	8	
Lesson			Page	Strands Focu
21	 Exchar and Person 	g Dollars and Cents nging Dollars, Dimes, ennies Exchange Pennies nes	114	NO, DAP
22	• Adding	g Dollars and Cents	119	NO, PS
23	 Subtra Part 2 	acting Three-Digit Numbers,	124	NO, PS
24	Colum	n Addition	130	NO, PS
25		ing Dollars and Cents Counting Money	134	NO, A, CM, C
26	Subtra	acting Dollars and Cents	140	NO, PS, CM
27	• Comp	aring and Ordering, Part 2	146	NO, PS, CM
28		acting Across Zeros Subtracting Across Zeros	152	NO, PS
29	• Fraction	ons of a Dollar	156	NO, C
30	• Estima	ating Sums and Differences	161	NO, CM
Investigation 3		About Pictographs Class Pictograph	166	DAP
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Section 4	Lessons 31–40, Investigation 4		
Lesson		Page	Strands Focus
31	Writing Directions Activity Giving Directions	169	PS, R
32	 Reading and Writing Numbers Through 999,999 Activity Reading and Writing Big Numbers 	174	NO, PS
33	 More About Number Lines Activity Making A Timeline 	180	G, R
34	 Length: Inches, Feet, and Yards Activity Inches, Feet, Yards 	185	A, M, CM
35	 Measuring to the Nearest Quarter Inch Activity Inch Ruler 	191	M, PS, C
36	Some and Some More Stories, Part 2	197	NO, PS, CM, C
37	 Estimating Lengths and Distances Activity Estimating and Measuring Lengths 	201	M, CM, C, R
38	 Reading a Clock to the Nearest Minute 	206	M, CM, R
39	 Stories About Comparing 	211	N, G, PS, CM, C
40	Missing Numbers in SubtractionSome Went Away Stories, Part 2	216	N, CM, C, R
Investigation 4	• Scale Maps Activity Scale Map	221	M, PS, R

Section 5	Lessons 41–50, Investigation 5		
Lesson		Page	Strands Focu
41	Modeling Fractions Activity Fraction Manipulatives	223	NO, CM
42	Drawing Fractions	228	NO, CM, C
43	Comparing Fractions, Part 1 Activity Comparing Fractions	233	NO
44	Fractions of a Group	239	NO, CM
45	Probability, Part 1 Activity Probability Demonstration	244	DAP, CM, R
46	Fractions Equal to 1Mixed Numbers	249	NO, C
47	Equivalent Fractions Activity Equivalent Fractions	254	NO
48	 Finding Fractions and Mixed Numbers on a Number Line Activity Fractions on the Number Line 	260	NO, G, C
49	Comparing Fractions, Part 2	265	NO, PS, CM
50	 Probability, Part 2 	270	DAP
Investigation 5	 Probability Games 	275	DAP, RP

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Lesson		Page	Strands Focus
51	Rectangles Activity Rectangle List	277	G, PS, CM, C, R
52	 Length and Width Activity Measuring Length and Width 	282	G, M
53	Rectangular Grid Patterns Activity Rectangular Patterns	287	A, M
54	Multiplication as Repeated Addition	292	NO, A, M, CM, C
55	Multiplication Table Activity Using a Multiplication Table	297	NO, A, CM, C
56	• Multiplication Facts: 0s, 1s, and 10s Activity Zeros, Ones, and Tens	302	NO, A, CM
57	• Arrays Activity Arrays	306	NO, A
58	Perimeter	311	M, PS, CM
59	Multiplication Facts: 2s and 5s	316	NO, A
60	Equal Groups Stories, Part 1	321	NO, PS, CM
Investigation 6	More About Bar Graphs	326	DAP

Section 7	Lessons 61–70, Investigation 7		
Lesson		Page	Strands Focu
61	 Squares Multiplication Facts: Square Numbers Activity Squares on a Grid 	328	NO, A, M
62	• Area, Part 1 Activity Area	334	NO, A, M, CM
63	Area, Part 2 Activity Estimating Area in Square Feet	340	NO, M, CM
64	Multiplication Facts: 9s	345	NO, A, PS, CN
65	Angles Activity Angles	350	G, CM, R
66	Parallelograms	355	G, M, PS
67	Polygons	361	G, M, PS, CM
68	Congruent Shapes Activity Congruent Shapes	368	G, PS, RP, CM
69	 Triangles Activity Make Equilateral and Right Triangles 	373	G, PS, RP
70	 Multiplication Facts: Memory Group Activity Flash Cards 	378	NO, A, CM, R
Investigation 7	• Symmetry, Part 1 Activity Symmetry, Part 1	383	G, CM, R
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Section 8 Lesson	Lessons 71–80, Investigation 8	Page	Strands Focus
71	Rectangular Prisms	385	G, PS
72	• Counting Cubes Activity Counting Cubes	390	M, R
73	• Volume Activity Volume	394	M, CM, C, R
74	 Weight: Ounces, Pounds, and Tons Activity Weighing Objects 	399	M, PS, CM, R
75	• Geometric Solids Activity Solids	404	G. RP. CM. R
76	• Multplication Facts: 11s and 12s Activity Modeling 11s and 12s	410	NO, A, CM, C, R
77	• Multiplying Three Numbers Activity Multiplying to Find Volume	416	M, RP, CM, R
78	 Multiplying Multiples of Ten 	421	NO, PS
79	 Length: Centimeters, Meters and Kilometers Activity Metric Units of Length 	425	M, R
80	 Mass: Grams and Kilograms Activity Metric Units of Mass 	431	M, PS, R
Investigation 8	More About Geometric Solids Activity Classifying Solids	436	G, CM, R

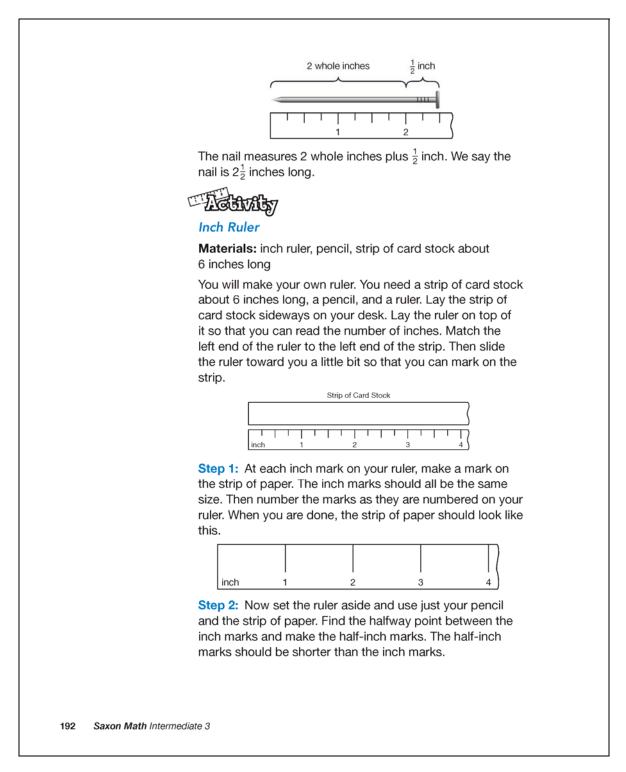
Section 9	Lessons 81–90, Investigation 9		
Lesson		Page	Strands Focu
81	Multiplying Two-Digit Numbers, Part Activity Doubling Money	1 440	NO, PS
82	Fair Share Activity Fair Share	445	NO, PS
83	 Finding Half of a Number 	450	NO, A, PS, C
84	 Multiplying Two-Digit Numbers, Part 2 	455	NO, R
85	 Using Manipulatives to Divide by a One-Digit Number Activity Equal Groups 	460	NO, PS, C
86	 Division Facts Multiplication and Division Fact Families 	465	NO, A, CM, C
87	• Capacity Activity Measuring Capacity	471	NO, M, PS, CM
88	• Even and Odd Numbers Activity Even and Odd Numbers	476	NO, PS, CM
89	 Using a Multiplication Table to Divide by a One-Digit Number 	481	NO, PS, CM, R
90	Equal Groups Stories, Part 2	486	NO, PS, CM, R
Investigation 9	Symmetry, Part 2 Activity 1 Creating Symmetrical Figures Activity 2 Lines of Symmetry	491	G, R
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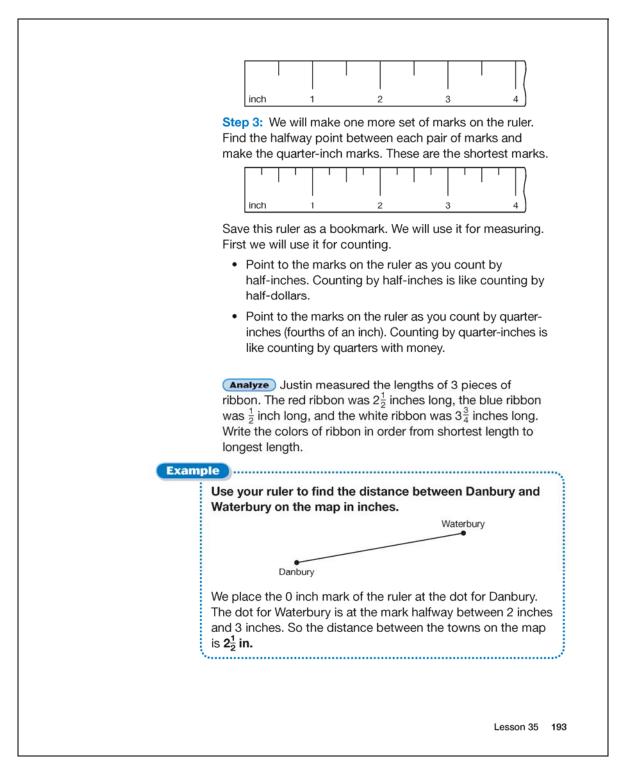
Section 10	Lessons 91–100, Investigation 9		
Lesson		Page	Strands Focus
91	Multiplying Three-Digit Numbers, Part 1	494	NO, PS, C, R
	Activity Estimation by Volume		
92	ParenthesesUsing Compatible Numbers, Part 1	499	NO
93	 Estimating Products 	504	NO, RP
94	Using Compatible Numbers, Part 2	508	NO, CM
95	• Using Estimation to Verify Answers	512	NO, RP, CM
96	Rounding to the Nearest Dollar	516	NO, DAP, CM
97	Multiplying Three-Digit Numbers, Part 2	520	PS, CM
98	• Estimating by Weight or Mass Activity Estimating by Mass	525	NO, A, M
99	Effects of Estimation	530	NO, CM
100	Multiplying Dollars and Cents	534	RP
Investigation 10	Evaluating Estimates Activity Evaluating Estimates	538	NO, RP
101	Dividing Two-Digit Numbers	540	NO, A, PS

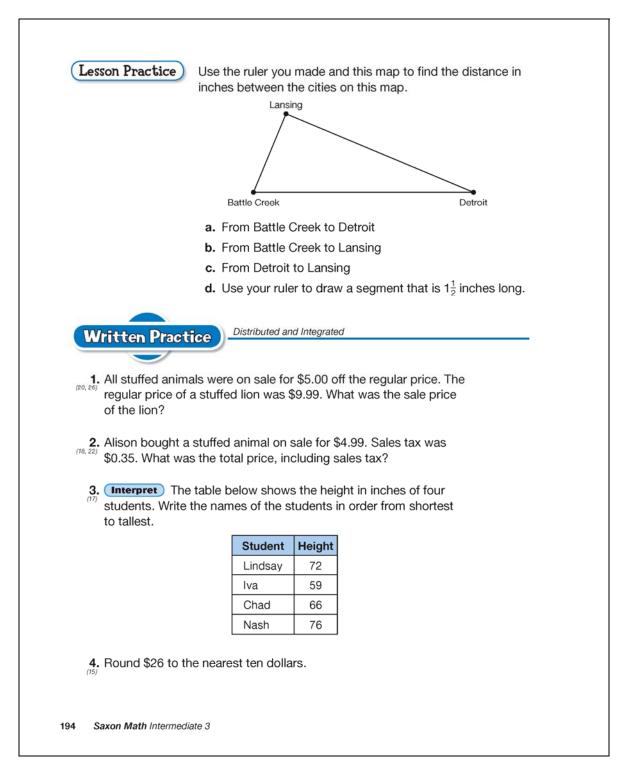
Section 11 Lesson	Lesso	ons 101–110, Investigation		Strands Focu
102	• Sorti	ng	545	RP, CM, R
103	• Orde	ring Numbers Through 9,999	549	NO, PS
104	• Sorti	ng Geometric Shapes	553	G, RP, CM, R
105	 Diagr 	ams for Sorting	559	G, PS, CM, C
106	 Estim 	ating Area, Part 1	564	М
107		ing Enlargements Drawing Enlargements	569	PS
108	Activity	nating Area, Part 2 Festimating Area a Grid	573	M, CM
109	 Point 	s on a Grid	577	A, CM, C
110		o-Dot Design y Dot-to-Dot Design	582	A, PS, CM
Investigation 11	• Planr	ning a Design	586	R
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A = Algebra	udono	Probability PS = Problem Solving	C = Connec	

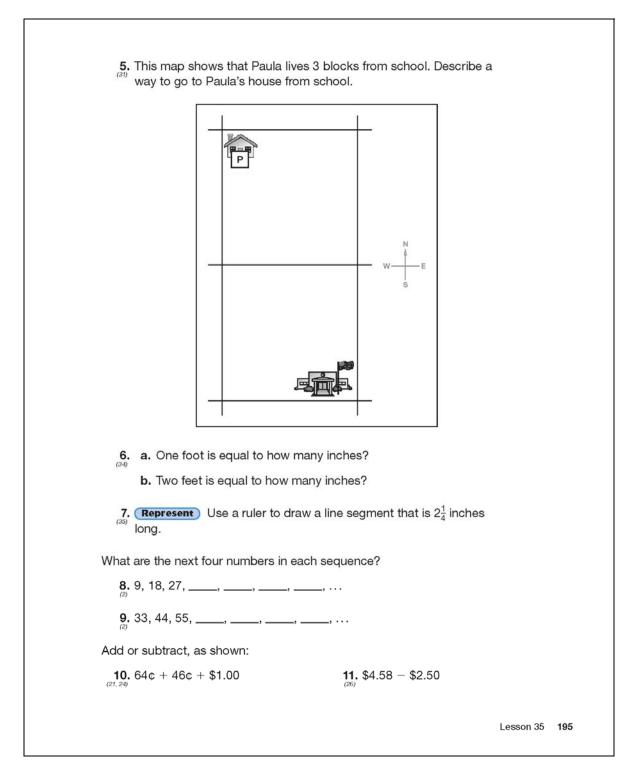
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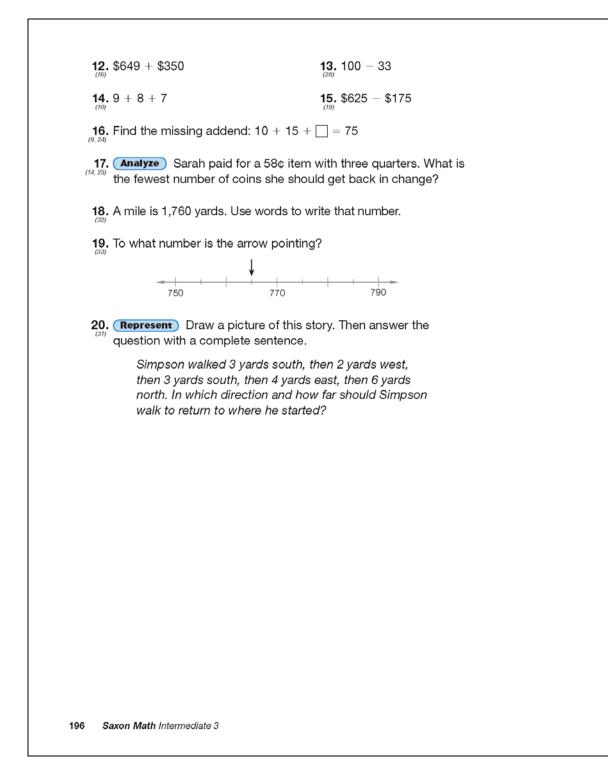
Math 3 Intermediate Texas Essential Knowledge and Skills ESSON Measuring to locate and name points on a number line using fractions, including halves (3.10) the Nearest and fourths (3.14)(A) identify the mathematics in everyday situations (3.14)(D) use tools such as manipulatives to **Quarter Inch** solve problems Power Up Power Up 35 facts Count up by 3s from 0 to 30. jump start Count up by 9s from 0 to 90. Write a fact family using the numbers 8, 2, and 10. Write "five hundred forty" using digits. mental a. Number Sense: 18 + 9 math b. Estimation: Is \$12 closer to \$10 or \$20? **c. Money:** \$1.00 - \$0.10 d. Number Line: What number does point B stand for? A B 10 15 20 problem Mai has four coins that are worth 22¢ altogether. What are solving the coins? New Concept In this lesson we will draw an inch ruler and divide it into half inches and guarter inches. Then we will use the ruler to measure. In the last lesson we measured objects to the nearest inch. The length of most objects is between inch marks. We can name these measures with the number of whole inches plus the fraction of an inch. Lesson 35 191

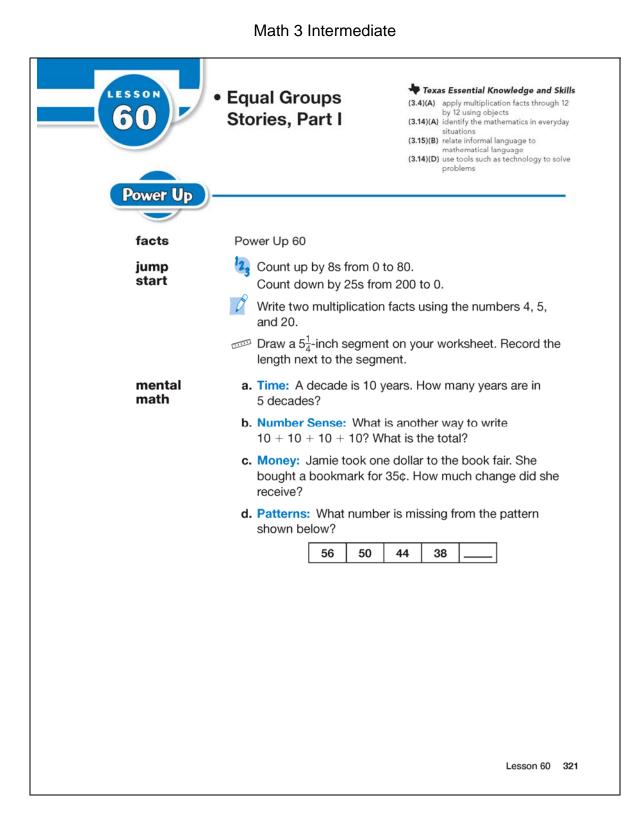


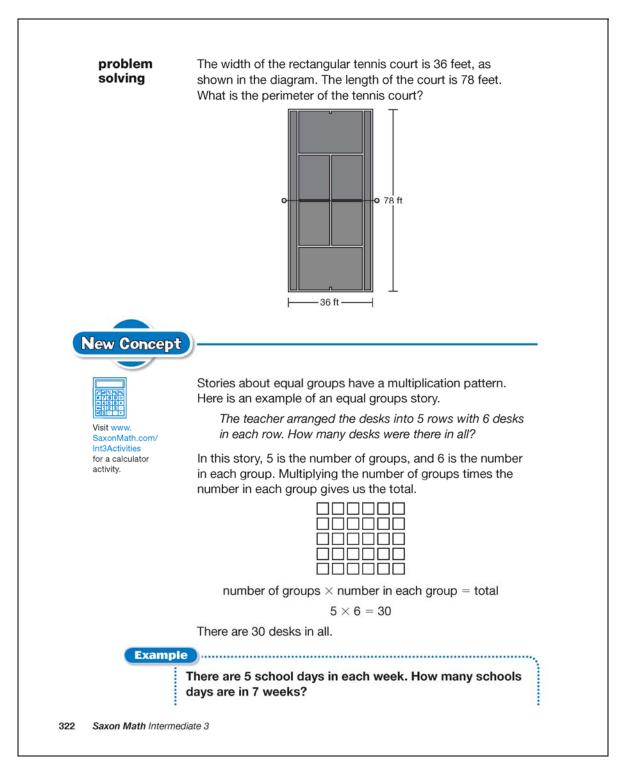


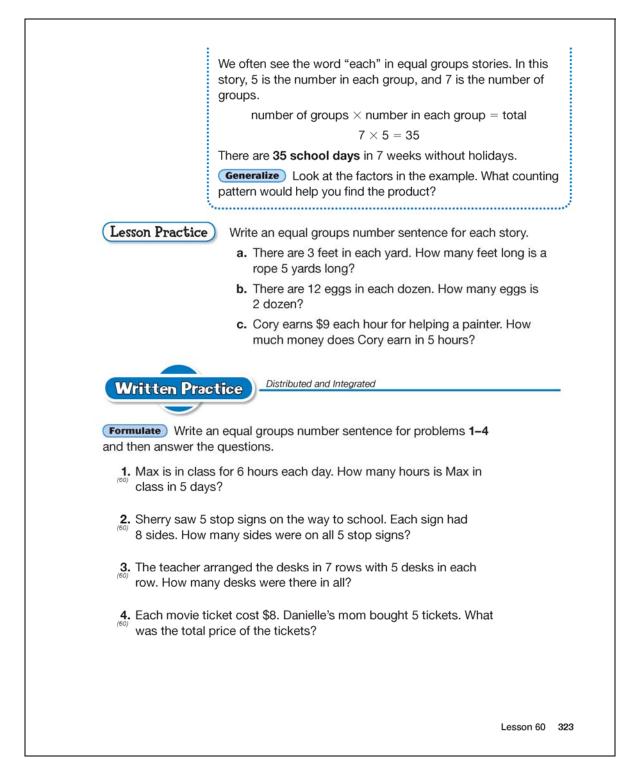


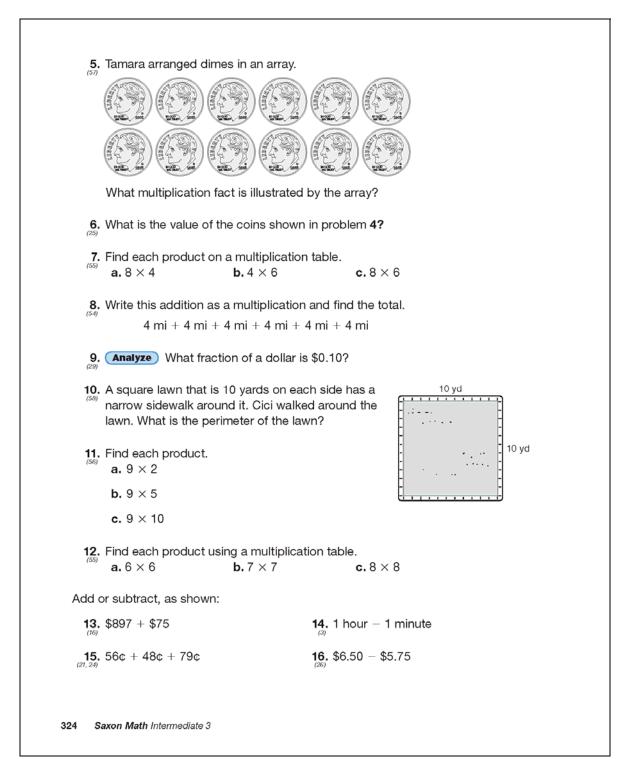


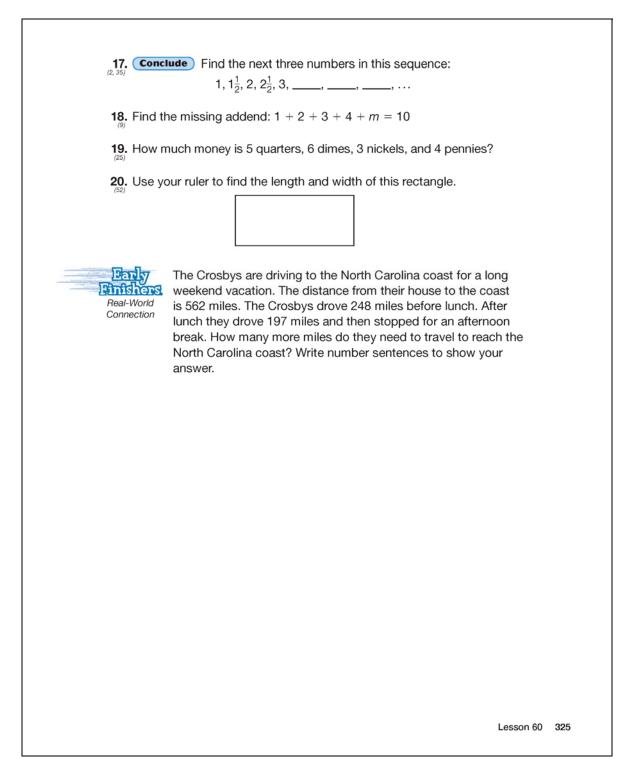


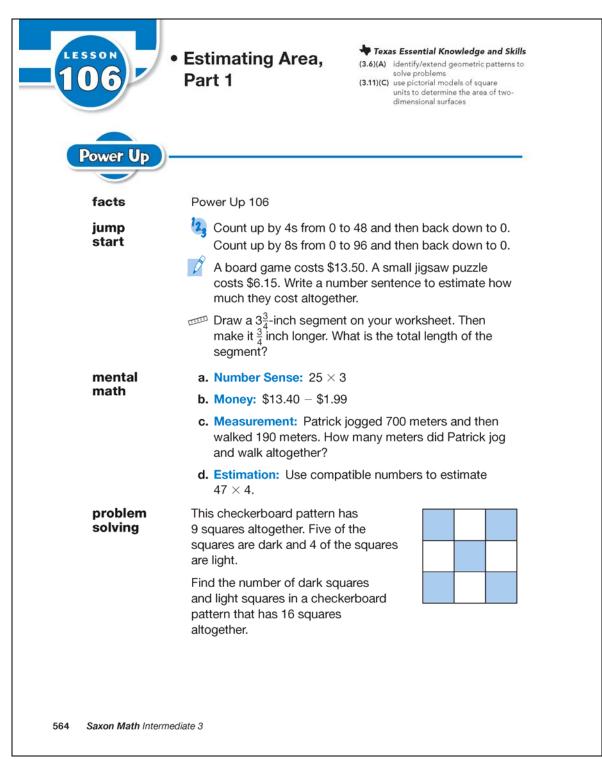


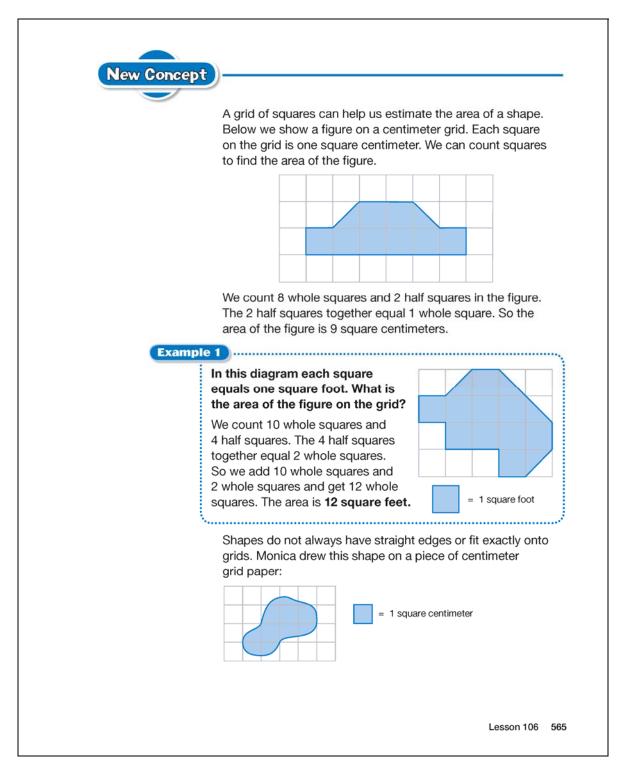


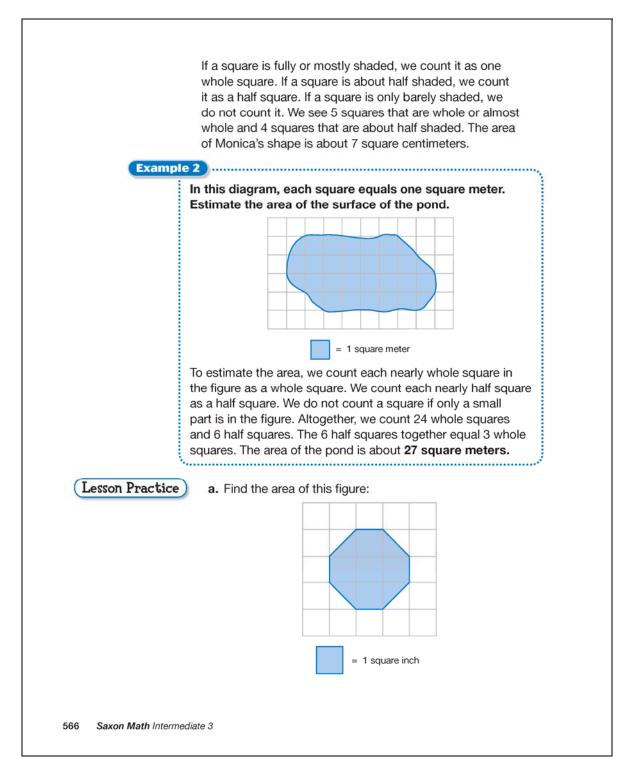


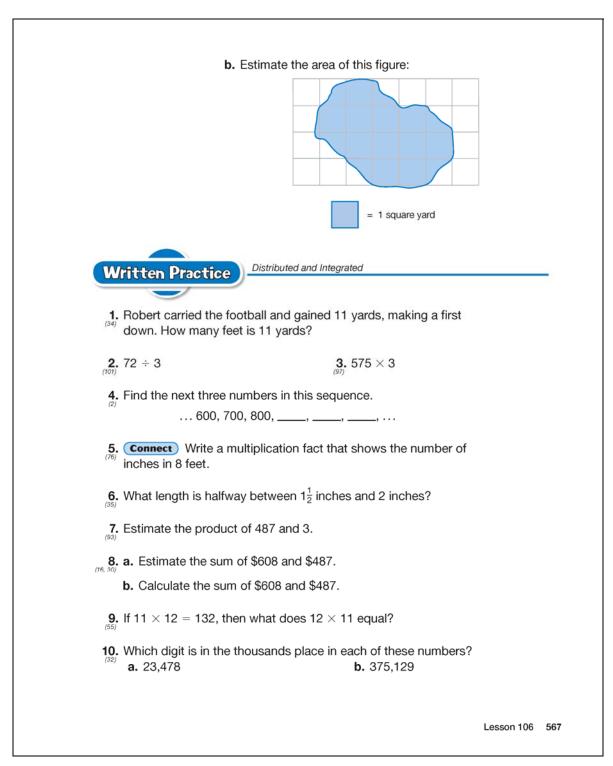












	Represent Draw a picture of a cube. A cube has how many vertices?
12.	A common year is 365 days. Write 365 in expanded form.
13. (58, 63)	Draw a rectangle that is 2 cm long and 1 cm wide. a. What is the perimeter of the rectangle?
	b. What is the area of the rectangle?
14.	Multiply: a. 7 × \$1.45 b. 4 × \$0.45
15. (86)	Find each quotient. $a. 16 \div 2$ $b. 36 \div 6$ $c. 24 \div 3$
16.	173 × 7 17. 322 × 8
18.	500 imes 7
19. (2)	Find the next three numbers in this sequence: 200, 225, 250,,,
20. (Analyze Find the area of the figure at right.
Real-V Conne	שטט. דוב טנובו טועבא מב נומנ נוב אנוד טו נוב טועונא וא זטעו. מוע
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