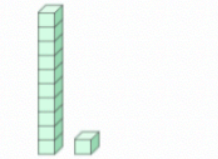
Grade 2 Skill Gap Sample Problems

Skill 1: Using Base Ten Blocks to Model a Number Written with Tens and Ones

Example: Use the least number of base ten blocks to show the number.

Tens	Ones
4	2

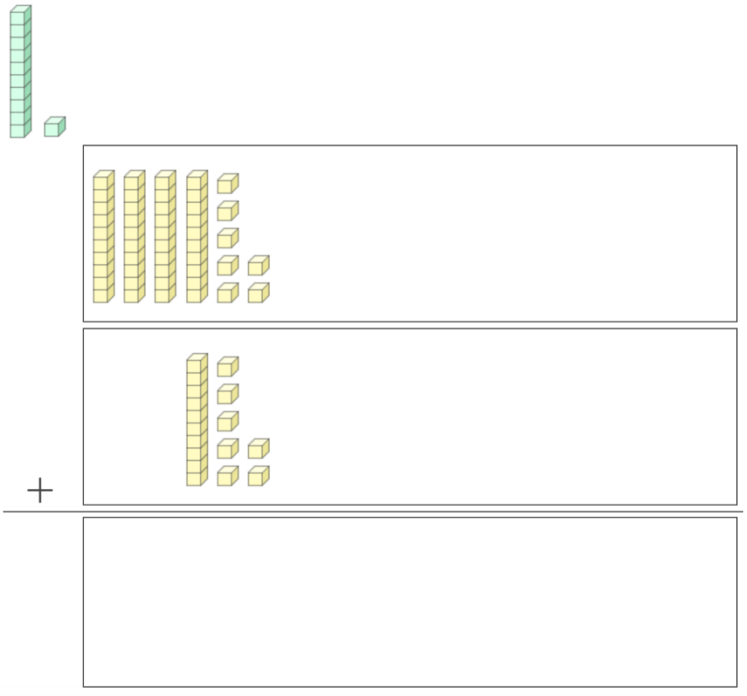


Answer

Skill 2: Using Base Ten Blocks to Add Two Two-Digit Numbers - Regrouping

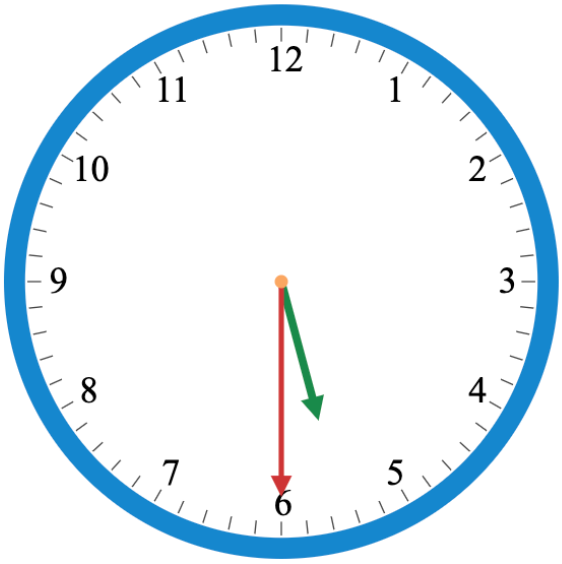
Example: Add.

$47 + 17$



Skill 3: Showing Time to the Hour on an Analog Clock

Example: What time does the clock show?



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Grade 3 Sample Problems

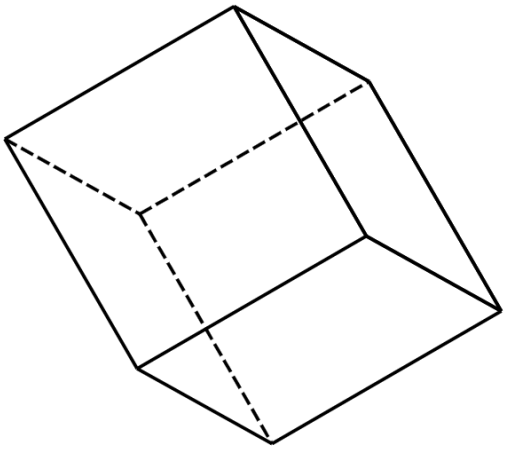
Skill 1: Using Place Value to Subtract a Two-Digit Number from a Three-Digit Number - One Regrouping

Example: Subtract.

	Hundreds	Tens	Ones
	6	4	9
−		7	3

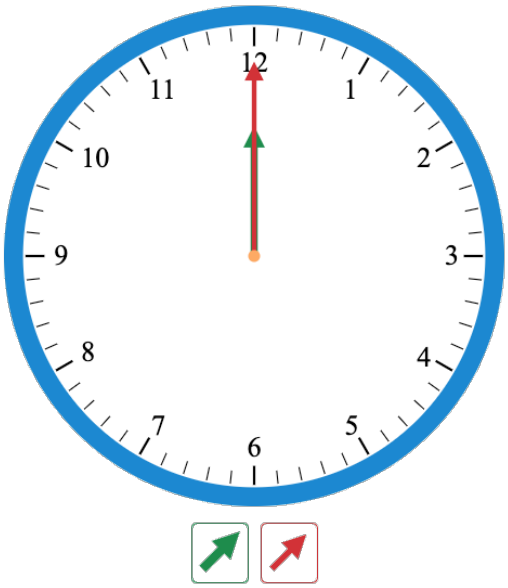
Skill 2: Counting the Vertices of a Solid

Example: How many vertices does the solid have?



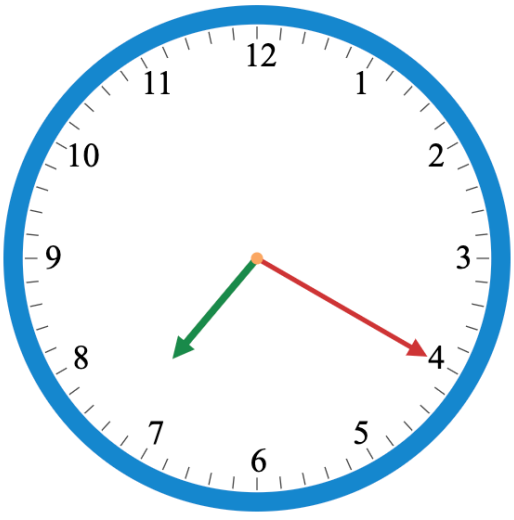
Skill 3: Showing Time to the Hour and Half Hour on an Analog Clock

Example: Move the hands to show the time 4:30.



Skill 4: Using an Analog Clock to Tell Time in Five Minute Increments

Example: What time does the clock show?



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Grade 4 Sample Problems

Skill 1: Subtracting a 1-, 2-, 3-, or 4-Digit Number from a 4-Digit Number Vertically - Regrouping Over Two Zeros

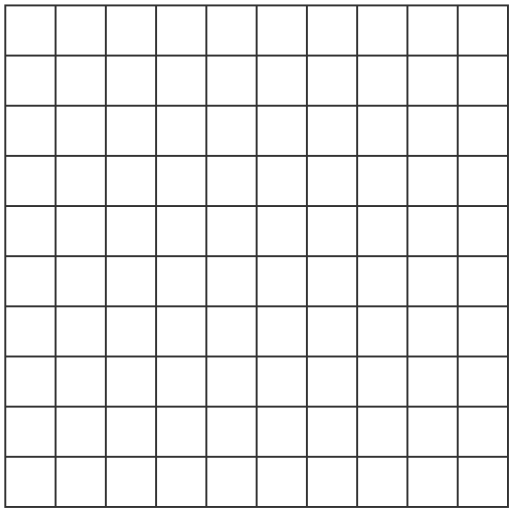
Example: Subtract.

$$\begin{array}{r} 8,006 \\ -\quad 758 \\ \hline \end{array}$$

Skill 2: Using an Array to Divide

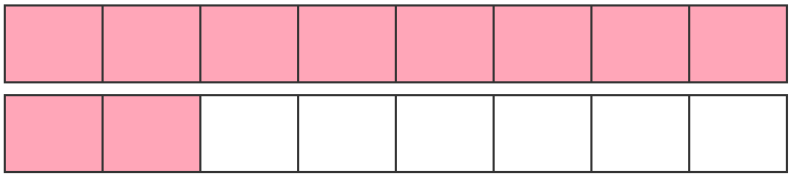
Example: Use an array to find the quotient.

$81 \div 9$



Skill 3: Writing Fractions Greater Than One from a Model

Example: Write the fraction shown by the model.



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Fifth Grade Sample Problems

Skill 1: Rounding a Whole Number to the Nearest Thousand

Example: Round to the nearest thousand.

$74{,}478$

Skill 2: Using the Standard Algorithm to Multiply a 2-Digit Number and a 2-Digit Number - No Regrouping

Example: Multiply.

$$\begin{array}{r} 73 \\ \times\ 23 \\ \hline \end{array}$$

Skill 3: Dividing a 3-Digit Number by a 1-Digit Number Using Long Division

Example: Divide.

$5\overline{)745}$

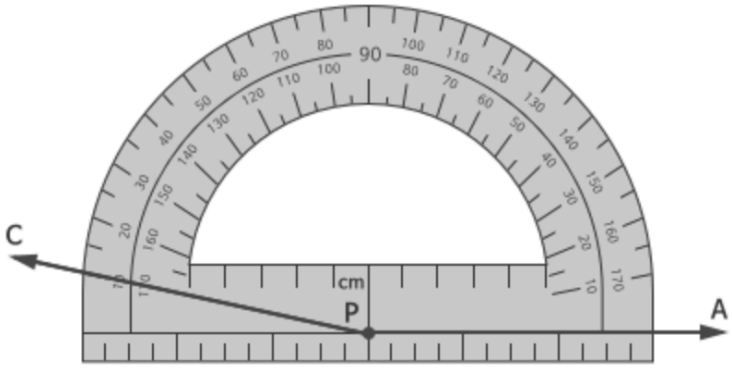
Skill 4: Multiplying a Whole Number and a Fraction

Example: Multiply.

$4 \times \frac{8}{12}$

Skill 5: Measuring Angles Greater Than 90º - Opens to Right

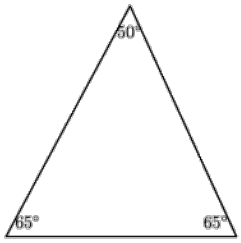
Example: What is the measure of ∠CPA?



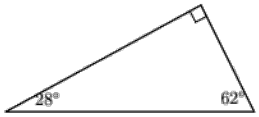
Skill 6: Identifying Acute, Right, and Obtuse Triangles

Example: Classify each triangle as acute, right, or obtuse.

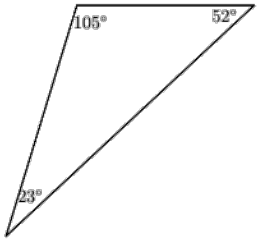
A.



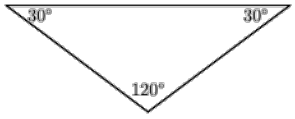
B.



C.

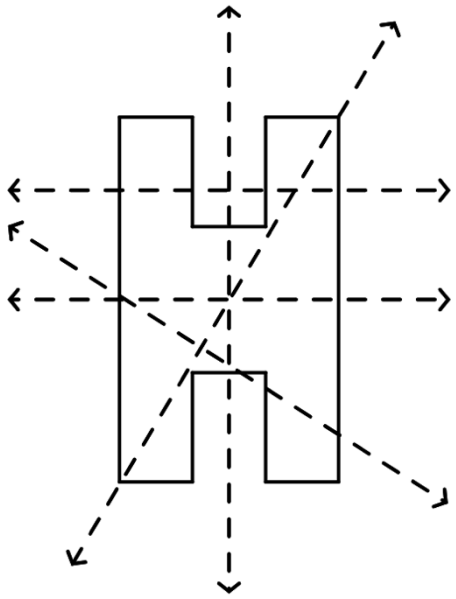


D.



Skill 7: Selecting the Lines of Symmetry in a Figure

Example: Select the lines of symmetry.



Skill 8: Dividing a 3-Digit Number by a 1-Digit Number in the Context of a Money Related Word Problem.

Example: Samuel has $127 to buy calculators for his classroom. If each calculator costs $9, what is the greatest number of calculators he can by?