

Math - Problem Solving : How Many Fish Are In My Pond?

Teacher Name: **Mr. O'Connor**

teacher copy

Student Name: Jennifer Folea

CATEGORY	4	3	2	1
Mathematical Concepts 4	Explanation shows complete understanding of the mathematical concepts used to solve the problem(s).	Explanation shows substantial understanding of the mathematical concepts used to solve the problem(s).	Explanation shows some understanding of the mathematical concepts needed to solve the problem(s).	Explanation shows very limited understanding of the underlying concepts needed to solve the problem(s) OR is not
Mathematical Reasoning 3	Uses complex and refined mathematical reasoning.	Uses effective mathematical reasoning	Some evidence of mathematical reasoning.	Little evidence of mathematical reasoning.
Strategy/Procedures 4	Typically, uses an efficient and effective strategy to solve the problem(s).	Typically, uses an effective strategy to solve the problem(s).	Sometimes uses an effective strategy to solve problems, but does not do it consistently.	Rarely uses an effective strategy to solve problems.
Explanation 4	Explanation is detailed and clear.	Explanation is clear.	Explanation is a little difficult to understand, but includes critical components.	Explanation is difficult to understand and is missing several components OR was not included.
Use of Computer-Manipulatives 4	Student always listens and follows directions and only uses computer as instructed.	Student typically listens and follows directions and uses computer as instructed most of the time.	Student sometimes listens and follows directions and uses computer appropriately when reminded.	Student rarely listens and often "plays" with the computer instead of using them as instructed.
Use of Computer 4	Student always listens and follows directions and only uses computer as instructed.	Student typically listens and follows directions and uses computer as instructed most of the time.	Student sometimes listens and follows directions and uses computer appropriately when reminded.	Student rarely listens and often "plays" with the computer instead of using them as instructed.
Working with Others 4	Student was an engaged partner, listening to suggestions of others and working cooperatively	Student was an engaged partner but had trouble listening to others and/or working cooperatively.	Student cooperated with others, but needed prompting to stay on-task.	Student did not work effectively with others.
Completion X	All problems are completed.	All but 1 of the problems are completed.	All but 2 of the problems are completed.	Several of the problems are not completed.

27/28

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Student Name:

Jennifer Foley

student - copy

CATEGORY	4	3	2	1
Mathematical Concepts	Explanation shows complete understanding of the mathematical concepts used to solve the problem(s). ✓	Explanation shows substantial understanding of the mathematical concepts used to solve the problem(s).	Explanation shows some understanding of the mathematical concepts needed to solve the problem(s).	Explanation shows very limited understanding of the underlying concepts needed to solve the problem(s) OR is not
Mathematical Reasoning	Uses complex and refined mathematical reasoning. ✓	Uses effective mathematical reasoning	Some evidence of mathematical reasoning.	Little evidence of mathematical reasoning.
Strategy/Procedures	Typically, uses an efficient and effective strategy to solve the problem(s). ✓	Typically, uses an effective strategy to solve the problem(s).	Sometimes uses an effective strategy to solve problems, but does not do it consistently.	Rarely uses an effective strategy to solve problems.
Explanation	Explanation is detailed and clear.	Explanation is clear. ✓	Explanation is a little difficult to understand, but includes critical components.	Explanation is difficult to understand and is missing several components OR was not included.
Use of Computer Manipulatives	Student always listens and follows directions and only uses computer as instructed. ✓	Student typically listens and follows directions and uses computer as instructed most of the time.	Student sometimes listens and follows directions and uses computer appropriately when reminded.	Student rarely listens and often "plays" with the computer instead of using them as instructed.
Use of Computer	Student always listens and follows directions and only uses computer as instructed. ✓	Student typically listens and follows directions and uses computer as instructed most of the time.	Student sometimes listens and follows directions and uses computer appropriately when reminded.	Student rarely listens and often "plays" with the computer instead of using them as instructed.
Working with Others	Student was an engaged partner, listening to suggestions of others and working cooperatively. ✓	Student was an engaged partner but had trouble listening to others and/or working cooperatively.	Student cooperated with others, but needed prompting to stay on-task.	Student did not work effectively with others.
Completion <i>n/a</i>	All problems are completed.	All but 1 of the problems are completed.	All but 2 of the problems are completed.	Several of the problems are not completed.