

Name: _____

5th grade APTT

Date: _____

Solve these problems and tell how you solved them.

| Problem | Solution | I just knew | I can only use one strategy | I can use two strategies | Strategy | Strategy |
|--------------------------|----------|-----------------------|-----------------------------|--------------------------|----------|----------|
| $12 \times 17 = \square$ | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | |
| $\square = 20 \times 39$ | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | |

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Solve these problems and tell how you solved them.

| Problem | Solution | I just knew | I can only use one strategy | I can use two strategies | Strategy | Strategy |
|---------------------------|----------|-----------------------|-----------------------------|--------------------------|----------|----------|
| $655 \times 51 = \square$ | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | |
| $\square = 220 \times 44$ | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | |

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State whether the problems below are true or false and explain your answer.

| Problem | True or False? | Explain |
|---------------------------------------|----------------|---------|
| $51 \times 51 = (50+1) \times (50+1)$ | True or False | |
| $3,520 = 80 \times 33$ | True or False | |

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Connie has 12 bags of cookies. There are 29 cookies in each bag. How many cookies does Connie have altogether?

| Equation with solution | Show your work | Explain/Justify in words how you got your answer |
|------------------------|----------------|--|
| | | |

Steve is opening a bakery. His first large order consists of 124 boxes of cupcakes. Each box can hold 17 cupcakes. How many cupcakes does Steve need to bake and decorate for his first large order?

| Equation with solution | Show your work | Explain/Justify in words how you got your answer |
|------------------------|----------------|--|
| | | |

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RUBRIC**Problems 1-4**

| Problem | Accurate (+1) | Used one correct strategy (+1) No strategy (+0) | Used two correct strategies (+2) | Points total for problem (out of 3) |
|---------|---------------|--|----------------------------------|-------------------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |

TRUE/FALSE Q's

| Problem | Accurate (+1) | Explanation makes sense and used reasoning (+2) Explanation just stated the product for each side correctly (+1) No/incorrect explanation (+0) | Points total for problem (out of 3) |
|---------|---------------|--|-------------------------------------|
| 1 | | | |
| 2 | | | |

Word Problems

| Problem | Accurate (+1) | Work shown correctly (+1) | Explanation makes sense and used reasoning (+2) Explanation just stated the process with no reasoning (+1) No/incorrect explanation (+0) | Points total for problem (out of 4) |
|---------|---------------|---------------------------|--|-------------------------------------|
| 1 | | | | |
| 2 | | | | |

Points total _____ out of 26