



Purr-fect Math Adventures

Multi-Step Math Challenges for Cat Lovers

Name: _____ Date: _____

1 SHELTER BUDGETING

A rescue group gets a donation of 500 dollars. They buy 8 cat trees that cost 35 dollars each and 12 collars that cost 6 dollars each. How much money do they have left?

Work:

Answer: _____

2 CAT CAFE PLANNING

A cat cafe has 4 rooms. Each room holds 8 cats. Three rooms are completely full, and one room is only half full. If each cat needs 3 toys, how many toys are there in total?

Work:

Answer: _____

3 TREAT SHARING

Luna has 120 cat treats. She drops 12 on the floor and throws them away. She divides the remaining treats equally among her 6 cats. If each cat eats 2 treats a day, how many days will one cat's share last?

Work:

Answer: _____

4 CATTERY PENS

A farm has 4 mother cats. Each mother cat has 5 kittens. Later, 6 of the kittens are adopted. The farmer groups all the remaining cats and kittens into pens with 3 felines in each pen. How many pens are used?

Work:

Answer: _____

5 CAT SHOW SCORING

At a cat beauty show, Max starts with 150 points. He loses 4 points for each of his 3 bent whiskers. He earns 15 extra points for having a shiny coat. The judges then double his total score. What is Max's final score?

Work:

Answer: _____

6 VET CLINIC FINANCES

A vet clinic charges 50 dollars for a checkup and 20 dollars for a shot. Dr. Kim checks 8 cats and gives 5 of them shots. The clinic spends 230 dollars of this money on supplies and splits the rest equally among 3 helpers. How many dollars does each helper get?

Work:

Answer: _____

Answer Key

Purr-fect Math Adventures · Grade 7

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|----|---|-----|
| 1. | A rescue group gets a donation of 500 dollars. They buy 8 cat trees that cost 35 dollars each and 12 collars that cost 6 dollars each. How much money do they have left? | 148 |
| 2. | A cat cafe has 4 rooms. Each room holds 8 cats. Three rooms are completely full, and one room is only half full. If each cat needs 3 toys, how many toys are there in total? | 84 |
| 3. | Luna has 120 cat treats. She drops 12 on the floor and throws them away. She divides the remaining treats equally among her 6 cats. If each cat eats 2 treats a day, how many days will one cat's share last? | 9 |
| 4. | A farm has 4 mother cats. Each mother cat has 5 kittens. Later, 6 of the kittens are adopted. The farmer groups all the remaining cats and kittens into pens with 3 felines in each pen. How many pens are used? | 6 |
| 5. | At a cat beauty show, Max starts with 150 points. He loses 4 points for each of his 3 bent whiskers. He earns 15 extra points for having a shiny coat. The judges then double his total score. What is Max's final score? | 306 |
| 6. | A vet clinic charges 50 dollars for a checkup and 20 dollars for a shot. Dr. Kim checks 8 cats and gives 5 of them shots. The clinic spends 230 dollars of this money on supplies and splits the rest equally among 3 helpers. How many dollars does each helper get? | 90 |