



Purr-fect Math Challenge

Multi-Step Word Problems for Cat Lovers

Name: _____ Date: _____

1 CAT SHELTER

A rescue shelter houses 14 adult cats and 8 kittens. Each adult cat eats 3 cans of food per day, while each kitten eats 2 cans per day. How many cans of cat food does the shelter need in total for a full 7-day week?

Work:

Answer: _____

2 CAT CAFE

The Purrfect Cup cat cafe ordered 12 boxes of feather wands with 15 wands in each box. On opening day, 35 wands were given away to visitors, and the remaining wands were split equally among 5 play areas. How many feather wands did each play area receive?

Work:

Answer: _____

3 CAT GROOMING

Maya spends 25 minutes brushing each long-haired cat and 15 minutes brushing each short-haired cat. On Saturday, she brushed 6 long-haired cats and 9 short-haired cats during a 300-minute shift. How many minutes did she spend on breaks and cleaning?

Work:

Answer: _____

4 CAT TREES

A woodworker builds custom cat trees. He constructs 12 large cat trees that require 5 posts each, and 8 small cat trees that require 3 posts each. If he starts with a supply of 100 posts, how many posts will he have left over?

Work:

Answer: _____

5 VET CLINIC

Dr. Aris sees 4 cats every hour for 6 hours a day at his veterinary clinic. Over a 5-day work week, exactly half of all cat visits were routine wellness checkups. How many routine wellness checkups did Dr. Aris perform that week?

Work:

Answer: _____

A feline agility contest awards 15 points per tunnel, 20 points per hurdle jump, and 25 points per weave pole set. Whiskers completed 4 tunnels, 3 hurdle jumps, and 2 weave pole sets, but lost 18 points for taking an unexpected nap mid-course. What was Whiskers' final score?

Work:

Answer: _____

Answer Key

Purr-fect Math Challenge · Grade 5

1. A rescue shelter houses 14 adult cats and 8 kittens. Each adult cat eats 3 cans of food per day, while each kitten eats 2 cans per day. How many cans of cat food does the shelter need in total for a full 7-day week? **406**
2. The Purrfect Cup cat cafe ordered 12 boxes of feather wands with 15 wands in each box. On opening day, 35 wands were given away to visitors, and the remaining wands were split equally among 5 play areas. How many feather wands did each play area receive? **29**
3. Maya spends 25 minutes brushing each long-haired cat and 15 minutes brushing each short-haired cat. On Saturday, she brushed 6 long-haired cats and 9 short-haired cats during a 300-minute shift. How many minutes did she spend on breaks and cleaning? **15**
4. A woodworker builds custom cat trees. He constructs 12 large cat trees that require 5 posts each, and 8 small cat trees that require 3 posts each. If he starts with a supply of 100 posts, how many posts will he have left over? **16**
5. Dr. Aris sees 4 cats every hour for 6 hours a day at his veterinary clinic. Over a 5-day work week, exactly half of all cat visits were routine wellness checkups. How many routine wellness checkups did Dr. Aris perform that week? **60**
6. A feline agility contest awards 15 points per tunnel, 20 points per hurdle jump, and 25 points per weave pole set. Whiskers completed 4 tunnels, 3 hurdle jumps, and 2 weave pole sets, but lost 18 points for taking an unexpected nap mid-course. What was Whiskers' final score? **152**