

Final Test — Form A

4.OA

4.NBT

4.NF

4.MD

4.G

Name _____ Date _____

Grade 4 math final — all topics. Show your work and write each answer in simplest form.

1. A pond has 8 ducks. A lake has 6 times as many ducks as the pond. Write a multiplication equation that shows how many ducks are on the lake, then give the number.
2. A wildlife count recorded 4,825,300 insects in a forest. What is the value of the digit 8 in this number?
3. A flock of birds has 47,382 members. Round this number to the nearest **thousand**.
4. A zookeeper arranges 27 turtles. Is 27 **prime** or **composite**? List a factor pair other than 1 and 27 to support your answer.
5. Of the animals at a shelter, $\frac{3}{5}$ are dogs. Write an equivalent fraction with a denominator of 20.
6. A caterpillar eats $\frac{9}{100}$ of a leaf. Write this amount as a decimal.
7. A reserve has 38,547 birds in the north field and 26,819 birds in the south field. How many birds are there in all?
8. A coral reef once had 70,205 fish. After a storm, 38,649 remained. How many fish were lost?
9. A squirrel buried $\frac{3}{8}$ of its acorns and a chipmunk buried $\frac{2}{5}$ of its acorns. Compare the fractions using $<$, $>$, or $=$.
 $\frac{3}{8} \square \frac{2}{5}$
10. A garden snail crawls $\frac{3}{8}$ of a meter, rests, then crawls another $\frac{7}{8}$ of a meter. How far did it crawl in all? Write your answer in simplest form.
11. Two animal trails are shown below. Are they **parallel** or **perpendicular**?



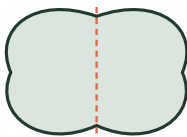
12. Find the **perimeter** of this rectangular butterfly garden.



13. A nature center mails 327 newsletters to each of its 24 chapters. How many newsletters is that in all?
14. A beekeeper counts the bees leaving a hive each minute and sees a pattern: 5, 11, 17, 23, ... Write the next number, and state one feature that every number in the pattern shares.
15. A bird watcher tracks an eagle's turn. The whole turn $\angle ABC$ measures 137 degrees and is split by ray BD into a 58-degree part. Find the measure of the other part, $\angle DBC$.



16. A red fox ran $5\frac{1}{4}$ miles and a gray fox ran $2\frac{3}{4}$ miles. How much farther did the red fox run? Write your answer in simplest form.
17. Each hummingbird feeder holds $\frac{2}{3}$ cup of nectar. A ranger fills 6 feeders. How many cups of nectar are used? Write your answer in simplest form.
18. An anteater's tongue is 5 feet long. How many **inches** is that? (There are 12 inches in a foot.)
A) 17 inches
B) 50 inches
C) 60 inches
D) 72 inches
19. How many **lines of symmetry** does this butterfly shape have?



- 20.** Four ponds are filled to these fractions of full: 0.5, 0.49, 0.7, and 0.68. Which pond is the **fullest**?
- A) 0.5 B) 0.49
C) 0.7 D) 0.68

21. A keeper packs 2,945 fish equally into 6 coolers, putting in as many whole fish as possible. How many fish go in each cooler, and how many are left over?
22. A rectangular wolf enclosure measures 23 m long and 14 m wide. Keepers cover the whole floor with square mats that are each 1 m on a side. They already have 300 mats. How many **more** mats do they need?
23. A deer sanctuary has 7 enclosures with 6 deer in each one. Every deer eats 3 kilograms of hay a day. How many kilograms of hay does the sanctuary need each day to feed all the deer?
24. A park ranger fills bird feeders with a mix. Each feeder gets $\frac{2}{8}$ pound of sunflower seeds and $\frac{3}{8}$ pound of cracked corn. The ranger fills 4 feeders. How many pounds of mix is used in all? Write your answer in simplest form.