

Scavenger HUNT

- 1 DOG
- 2 GOOSE
- 3 CAT
- 4 PIG
- 5 COW
- 6 CHICKEN
- 7 LIZARD
- 8 FISH
- 9 Deer
- 10 monkey
- 11 Panda
- 12 Rhino
- 13 zebra
- 14 Lion
- 15 Shark
- 16 camel
- 17 swan
- 18 DUCK

Q

A

DOG ① $\frac{2^4 \cdot 3^5}{2^2 \cdot 3^3} = 12$

PANDA ⑪ If $(-3)^5 \times (-3)^2 = (-3)^x$,
what is x ?
 $x=7$

GOOSE ② $4^4 \div 4^{-1} = 4^5$

RHINO ⑫ $5^2 \times 5^6 \div 5^{-3} = 5^{11}$

CAT ③ $5^{-2} \times 5^5 \times 5 = 5^4$

ZEBRA ⑬ $2^3 \times 3^3 \times 9^0 = 216$

PIG ④ $5^3 \times 5^1 \times 5^1 = 125$

LION ⑭ For what value
of n is $\frac{9^2}{9^n} = 729$
 $n=1$

COW ⑤ $(2^3)(4^3)(2^4) = 2^7 \cdot 4^3$

SHARK ⑮ $2^3 \div 2^5 = 2^{-2}$

CHICKEN ⑥ $\frac{7^7 \cdot 7^3}{7^4} = 7^6$

CAMEL ⑯ which exponential
form is equivalent
to $8 \times 8 \times 8 \times m \times m \times m$
 $8^3 \times m^3$

LIZARD ⑦ $4^5 \cdot \frac{4^8}{4^7} = 4^6$

SWAN ⑰ $10 \times 10^4 \times 10^3 \times 10^{-5} = 10^3$

FISH ⑧ $3^0 = 1$

DUCK ⑱ $\frac{10 \cdot 10^4 \cdot 10^3}{10^9} = 10^{-1}$

DEER ④ $3^1 = 3$

MONKEY ⑩ $5^{15} \cdot 5^4 \cdot 5 = 5^{20}$

$$\frac{2^4 \cdot 3^3}{2^2 \cdot 3^2} =$$

DOG

1-01

1

$$4^4 \div 4^{-1} =$$

GOOSE

21

2

$$5^{-2} \times 5^5 \times 5 =$$

CAT

57

3

$$5^3 \cdot 5^1 \cdot 5^{-1} =$$

PIG

H 5

$$(2^3)(4^3)(2^4) =$$

cow

125

$$\frac{7^7 \cdot 7^3}{7^4} =$$

CHICKEN

2743

$$4^5 \cdot \frac{4^8}{4^7} =$$

LIZARD

9L

7

$$3^0 =$$

FISH

9 H

3' =

Deer

T

9

$$5^{15} \cdot 5^4 \cdot 5 =$$

MONKEY

3

If $(-3)^5 \times (-3)^2 = (-3)^x$,
what is x ?

PANDA

5-20

$$5^2 \times 5^6 \div 5^{-3} =$$

Rhino

±

12

$$2^3 \times 3^3 \times 9^0 =$$

ZEBRA

|| 5

B

FOR WHAT VALUE OF
n IS $\frac{9^2}{9^n} = 729$?

LION

918

14

$$2^3 \div 2^5 =$$

SHARK

1-

Which exponential form is equivalent to $8 \times 8 \times 8 \times m \times m \times m$?

CAMEL

e-C

$$10 \times 10^4 \times 10^3 \times 10^{-5} =$$

Swan

83 43

$$\frac{10 \cdot 10^4 \cdot 10^3}{10^9} =$$

Duck

3 0 |