Table of contents

Determining order in whole numbers

Why did Mama Flea look so sad? (Her children were going to the dogs) 1

Using expanded notation

When do lions become sad? (When they lose their pride) . . . . . .

Rounding whole numbers

What game do you play if you don't take care of your teeth? (Tooth or dare) 3

Jurassic maths (Brachiosaurus) 4

Determining place value

Mathosaurus: Place value (Archaeopeteryx) 5

What did one exhaust pipe say to the other? (I am exhausted!) 6

Calculator magic 7

Mathosaurus: Large numbers (Parasaurolophus) 8

Writing standard numerals

What did the baker use to clean up his mess? (A sponge cake) 9

Reptile or bird? (Pterodactylus) 10

Using maths games to enhance place value skills

Matho 11–12

Practising addition facts

King Tut's addition pyramids 13

Addition facts speed test 14

Adding with no regrouping

How can you tell that elephants like to swim a lot?
(They always have their trunks with them) 15

Adding three and four addends

What happened when the dog swallowed the watch? (He got a lot of ticks) 16

Adding with one to three digit addends requiring regrouping

Why are clocks so shy? (They always hold their hands in front of their faces) 17

Who are the strongest men in the world?
(Policemen, they can hold up cars with one hand) 18
Why did the man in jail take a bath before escaping?
(He wanted to make a clean getaway) 19

Using the calculator to explore grouping in addition
Let's go exploring! 20

Estimating and checking sums with a calculator
What do you get when you cross a frightened skin diver and a rooster?
(Chicken of the sea) 21

Adding with three or more digit addends requiring regrouping
Put three ducks in a crate and what do you have? (A box of quackers) 22
When are a king and a piece of wood alike? (When they both are rulers) 23
Why don't bananas snore? (They don't want to wake up the rest of the bunch) . . . 24

Addition skill tests
Addition skill test 1 25
Addition skill test 2 26

Subtracting without regrouping
What's the longest word in the English language?
(Smiles! There's a mile between the s's) 27
Subtracting facts speed test 28

Finding the missing addend by subtracting
What did the nervous kid say when the doctor asked if he had been
getting enough iron? (Yes, I chew my nails every day) 29
What does a farmer grow if he works too hard? (He grows tired) 30

Subtracting with regrouping
What's the biggest building? (The library, it has the most stories) 31
What did one fish say to the other fish?
(Keep your mouth shut and we won't get caught) 32
Knock, knock. Who's there? Tuba! Tuba who? (Tuba toothpaste) 33
What's the last thing you take off before you go to sleep at night?
(Your feet off the floor) 34
Maths bingo 35

 © 2003 Hawker Brownlow Education

Estimating with whole numbers
Jurassic maths (Velociraptor) 36

More difficult subtracting with regrouping
What's the weather like in Mexico? (Chili today, hot tamale) 37
What did Barbie, the play director, do when the chicken forgot her lines? (Barbie cued the chicken) 38
Why is a barefoot boy like an Eskimo? (One wears no shoes, the other wears snow shoes) 39
What did the sad stack of money say to the bank manager? (I want to be a loan) . . 40

Subtraction skill tests
Subtraction skill test 1 41
Subtraction skill test 2 42
Subtraction skill test 3 43

Adding and subtracting with regrouping
What did the teacher say to the dumb light bulb? (Gee, you're not too bright, are you?) 44
Knock, knock. Who's there? Phillip! Phillip who? (Phillip the tub, I need a bath) . . . 45
What time is it when the elephant sits on the fence? (Time to get the fence fixed) . . 46
What is the only nail a man does not like to hit with his hammer? (His fingernail) . . 47
Which is faster – hot or cold? (Hot's faster! You can catch cold). 48

Adding and subtracting through problem-solving
What's the hardest thing about learning to ride a bike? (The footpath). 49
What is light as air, yet the strongest man can't hold for ten minutes? (His breath) . 50
What do frogs wear in the summer? (Open-toad sandals) 51
What kind of gum do bees chew? (Bumble gum) 52

Higher order thinking activities
Numbers everywhere 54
Astronomical numbers 55
You have just won $1000 56
Why does Father Time wear bandages? (Because day breaks and night falls). . . . 57
Dart addition 58
Palindromes. 59
Rocket maths 60
Discovering maths patterns. 61
Diamond point addition. 62

Dart subtraction 63
Mathosaurus: Number riddles (Ichthyosaurus) 64
Observation counting 65
Where does Bullwinkle go for a roller coaster ride? (To an amoosement park) . . . 66
Why do snakes need two bathrooms? (One is hiss and one is hers) 67
It's all in the circle. 68
Introduction for studying other numeration systems 69
Amazing animals: Converting base five numerals to base ten 70
Jurassic maths in base five (Diplodocus) 71
Playing around with bases 72
The search is on! (Finding uses of Roman numerals) 73
Roman numerals. 74
Writing to 100 in Roman numerals 75
What is another name for a telephone booth? (A chatterbox). 76
A movie marquee (using Roman numerals) 77
Egyptian hieroglyphics 78
Extra challenge in hieroglyphics: Addition 79
Subtracting in hieroglyphics 80
Babylonian system 81
Scribing in Babylonian 82
A new numeration system 83

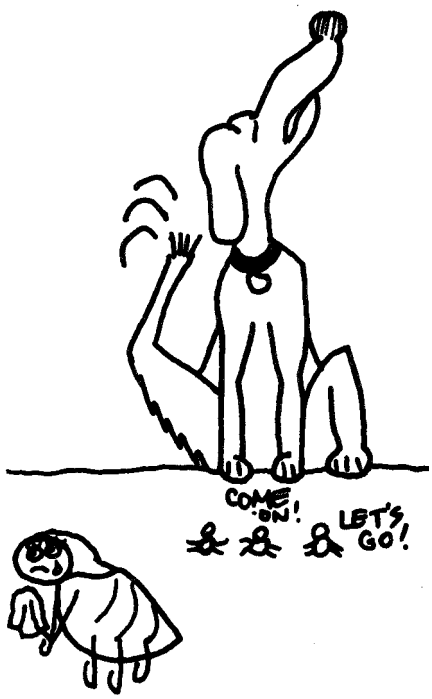
Answer key 84–89

 © 2003 Hawker Brownlow Education

Determining order in whole numbers

NAME_____

Why did Mama Flea look so sad?



Directions: Solve each problem and locate your answer in the secret code. Each time your answer appears in the secret code, write the letter of the problem above it.

1. Write the number that comes before 429 = _____ (G)

2. Write the number that comes after 629 = _____ (L)

3. Write the number that comes after 89 = _____ (H)

4. Write the number that comes before 1069 = _____ (E)

5. Write the number that comes between 369 and 371 = _____ (W)

6. Write the number that comes between 1098 and 1110 = _____ (R)

7. Write the number that comes after 999 = _____ (O)

8. Write the number that comes before 800 = _____ (D)

9. Write the number that comes between 2010 and 2012 = _____ (S)

10. Write the number that comes after 799 = _____ (I)

11. Write the number that comes before 300 = _____ (N)

12. Write the number that comes after 3999 = _____ (C)

13. Write the number that comes after 4039 = _____ (T)

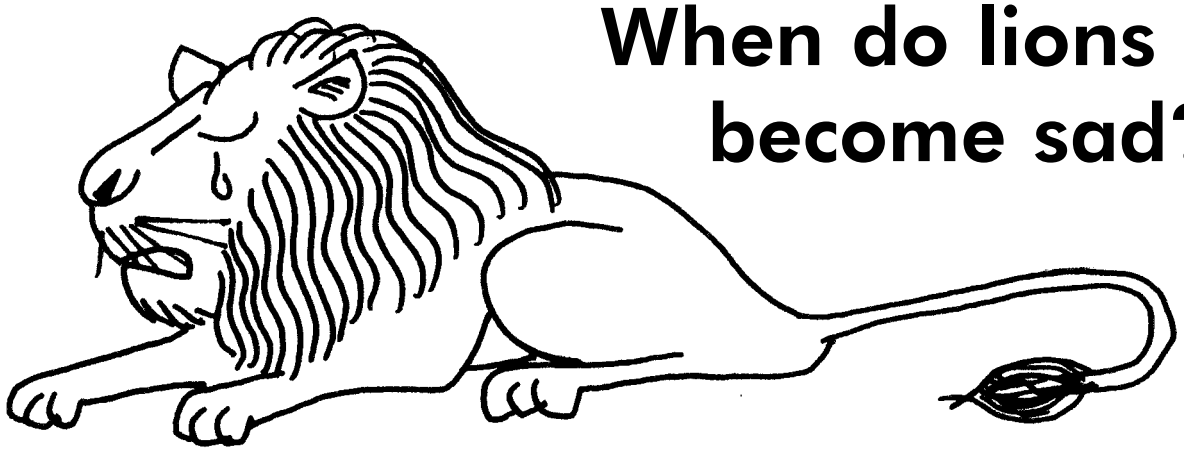
90 1068 1099 4000 90 800 630 799 1099 1068 299

370 1068 1099 1068 428 1000 800 299 428

4040 1000 4040 90 1068 799 1000 428 2011

© 2003 Hawker Brownlow Education

NAME_____



When do lions become sad?

Directions: Solve each expanded notation problem by writing its standard form. Find your answer in the secret code at the bottom of the page. Each time your answer appears in the secret code, write the letter of the problem above it.

1. 5000 + 600 + 70 + 7 =_____ (S)

2. 20,000 + 8000 + 700 + 60 + 8 =_____ (R)

3. 50,000 + 600 + 70 + 7 =_____ (W)

4. 70,000 + 700 + 60 + 3 = _____ (D)

5. 7000 + 700 + 60 + 3 = _____ (H)

6. 2000 + 800 + 70 + 6 = _____ (I)

7. 40,000 + 9000 + 800 + 90 + 3 = _____ (L)

8. 4000 + 900 + 60 + 3 = _____ (O)

9. 30,000 + 600 + 7 = _____ (N)

10. 30,000 + 6000 + 7 = _____ (E)

11. 30,000 + 6000 + 70 = _____ (Y)

12. 3000 + 600 + 70 + 7 = _____ (P)

13. 70,000 + 7000 + 700 + 60 + 3 = _____ (T)

50,677 7763 36,007 30,607 77,763 7763 36,007 36,070

49,893 4963 5677 36,007 77,763 7763 36,007 2876 28,768

3677 28,768 2876 70,763 36,007

 © 2003 Hawker Brownlow Education

NAME_____

What game do you play if you don't take care of your teeth?

Directions: First, round each of the problems. Find your answer in the secret code at the bottom of the page. Each time your answer appears in the secret code, write the letter of the problem above it.

1. Round 388 to the nearest ten = _____ (O)

2. Round $6.33 to the nearest ten cents = _____ (D)

3. Round 5392 to the nearest hundred = _____ (H)

4. Round $34.99 to the nearest dollar = _____ (O)

5. Round 7531 to the nearest thousand = _____ (E)

6. Round 38,466 to the nearest thousand = _____ (T)

7. Round $78.86 to the nearest ten dollars = _____ (O)

8. Round 7895 to the nearest ten = _____ (R)

9. Round $7.45 to the nearest ten cents = _____ (A)

10. Round $717.85 to the nearest dollar = _____ (R)

11. Round 6696 to the nearest ten = _____ (T)

_____	_____	___	___	_____	_____	_____
38,000	**$80.00**	**390**	**6700**	**5400**	**$35.00**	**$718.00**

_____	_____	_____	_____
$6.30	**$7.50**	**7900**	**8000**

© 2003 Hawker Brownlow Education