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PHOTOCOPY MASTERS

For Ages 7 - 9

EXTENSION MATHS BOOK 3

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Contents

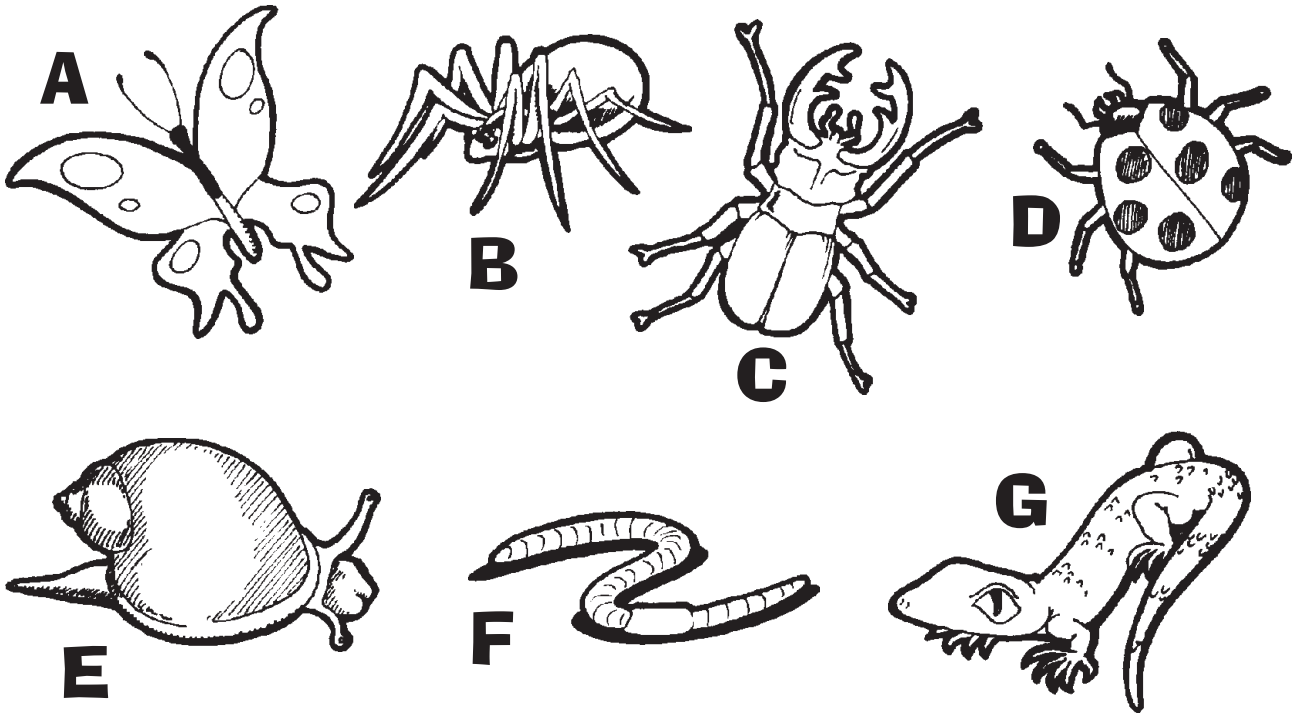
Name .....

EXTENSION MATHS 3

Learning Outcome: Students use clues and logical reasoning in order to solve a problem.

Ross's Collection

❑ Ross has collected strange creatures from all over the world.



❑ Work out which one comes from Africa.

1) It does not have wings.

2) It does not have legs, yet it has a foot.

3) It carries protection.

The creature from Africa is ..... .

❑ Which one comes from America?

1) It has six legs.

2) It has front pincers.

3) It has no markings on its shell.

The creature from America is ..... .

❑ Colour the creatures in camouflage colours.

Problem

If each creature's cost was based on $2 per leg, how much would this collection be worth?

.....

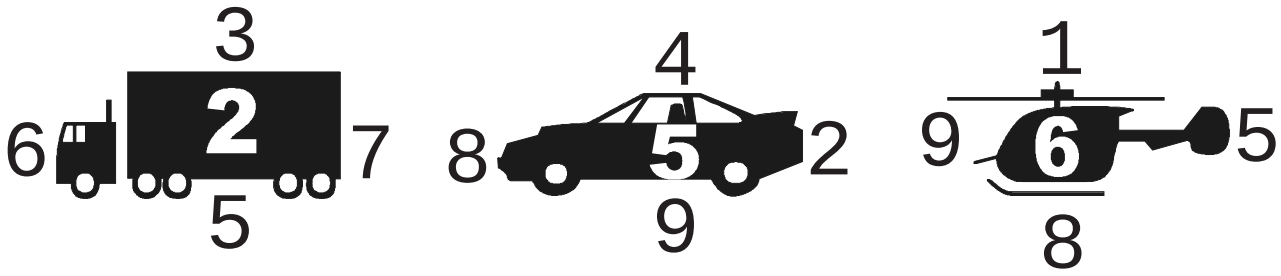
Name .....

EXTENSION MATHS 3

Learning Outcome: Students complete a set of number sentences using simple addition, subtraction and multiplication operations.

Toy Totals

❑ Use the pictures of the toys below to answer the questions.



1) Add all the numbers under the toys to all the numbers in the toys.

..... + ... + ... = ... + ... + ... = ... = ...

2) Add the numbers below the car, above the truck, and to the left of the helicopter.

..... + ... + ... = ...

3) Add the numbers behind the helicopter, under the truck and above the car.

..... + ... + ... = ...

4) From the number behind the car, take the number above the truck.

..... - ..... = ...

5) Multiply the number inside the truck by the number in front of the car.

..... x ..... = ...

6) Add all the numbers around the car.

..... + ... + ... + ... = ...

7) Which toy adds up to the most? *(In and around.)*

truck = ... car = ... helicopter = ...

The toy with the greatest total is the ..... .

Name .....

Learning Outcome: Students use addition to calculate a set of number problems.

Food For Thought

❑ Carl Crammer loved to eat.
He always ate the same thing every day.

✻ At breakfast he ate 13 Weetbix, two litres of milk and 17 slices of toast.

✻ At lunch he ate 11 sandwiches, four meat pies and three cans of drink.

✻ At dinner he ate 19 sausages six potatoes, three carrots and a cabbage.

Calculate his total food consumption over one week (7 days).

✻ Weetbix .....

✻ litres of milk .....

✻ slices of bread in total .....

✻ cans of drink .....

✻ sausages .....

✻ meat pies .....

✻ cabbages .....

✻ potatoes .....

✻ carrots .....

(Hint: Don't forget - each sandwich has two slices of bread.)

Name .....

Learning Outcome: Students identify number patterns and use simple addition and subtraction to complete a set of number sentences.

Numbers To Practise

❑ Look at these numbers and complete the patterns.

1, 3, 5, ..., ..., ... 2, 3, 6, 7, 10, ..., ..., ...

3, 6, 9, ..., ..., ... 1, 4, 7, ..., ..., ...

❑ Missing Numbers

Fill in the missing numbers to make these number sentences true.

Addition

1) 26 + 3 .... = 62 2) .... 9 + 29 = 6 .... 3) 1 .... + 44 = 56

4) 4 .... + 43 = ... 1 5) 29 + ... 0 = 5 .... 6) 1....2 + 57 = 15....

7) 74 + 4 .... = 119 8) 13 .... + ... 2 = 144

9) .... 6 + 3 .... = 65 10) 5 .... + ... 6 = 71

Subtraction

1) 46 - 2 .... = 24 2) 28 - .... = 19

3) .... 2 - 16 = 36 4) .... 3 - 27 = 36

5) 1 .... 5 - 36 = 109 6) 48 - ..... = 29

7) ....7 - 22 = 55 8) .... 7 - 2 .... = 75

9) .... 49 - 53 = 96 10) .... 26 - 14 = 1 2

Name .....

Learning Outcome: Students use grid coordinates to decipher a code.

Grid Language

❑ Use the grid below to help you decode the riddle and its answer.

6	S	G	Y	F	X	K
5	O	P	H	T	I	V
4	N	C	R	M	A	R
3	O	N	P	D	L	J
2	Z	K	A	U	M	Q
1	B	Q	W	E	U	L
	1	2	3	4	5	6

Read across the **horizontal** numbers first, then go up that column.

E.g. 2,4 = C; 5,6 = X.

Question: 3,1 3,5 3,6 4,3 5,5 4,3 4,5 3,5 4,1

.....

4,3 3,4 5,5 6,5 4,1 6,4 2,6 1,5 1,1 3,4 1,3 6,6 4,1?

.....

Answer: 1,1 4,1 2,4 3,2 5,1 1,6 4,1 3,5 4,1

.....

4,3 3,4 1,3 6,5 4,1 3,5 5,5 1,6

.....

2,4 4,2 1,6 4,5 1,5 4,4 4,1 3,4, 1,6 5,4 3,1 3,2 3,6

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