

MERCURY

EARTH

MARS

JUPITER

SATURN

URANUS  
NEPTUNE  
PLUTO



**The Giant Panda**

Giant pandas live in China. They have thick black and white fur and distinctive black rings around their eyes, which make them very different from all other animals. Female pandas are called sows, males are called boars, and the young are called cubs.

Pandas lose the cold, damp forests found high up in the mountains. These forests are full of their favourite food – bamboo plants. The bamboo is not very nutritious so the panda must eat a lot of it to stay strong and healthy. They can spend up to sixteen hours a day eating! They have very strong teeth and muscles to help them to chew the tough bamboo. The panda will also sometimes eat small mammals, fish and birds.



Newborn cubs are born hairless and blind. They do not open their eyes for several weeks. They are very small – their mother is 900 times bigger than them! The cubs start eating bamboo when they are six months old and they cry when they are hungry! The mother panda will take care of her cubs until they are at least one year old.

The giant panda is an endangered species. There are fewer than a thousand of these mammals left in the wild. This is because some people hunt them for their fur. Also their forest habitat is being cut down. They are now protected by law and it is illegal to kill them.

**Interesting facts!**

- The giant panda is a solitary creature and prefers to live alone.
- The panda sits or lies down when eating.
- The panda can live to be around twenty-five years old.
- Adult pandas weigh about 130kg.

**A**




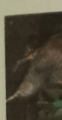

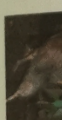



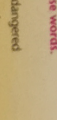
- 1 In what country do giant pandas live?
- 2 What make a panda's eyes different from the eyes of other animals?
- 3 What is a female panda called?
- 4 What is a male panda called?
- 5 Why must the panda eat so much time eating?
- 6 Why must they spend so much time eating?
- 7 What else do they sometimes eat?
- 8 Around how many pandas are still in the wild?

**B**

- 1 Why do the cubs need their mothers to care for them?
- 2 Why are pandas endangered?
- 3 Name two other endangered species.
- 4 Does the panda like company?
- 5 Name two animals that may weigh more than a panda.
- 6 List eight words to describe a panda.
- 7 Find out what a mammal is.
- 8 Many animals are kept in zoos. Do you agree with this?

**C**

Match the mammal with its country or region.

	kangaroo		Arctic
	penguin		South America
	camel		South America
	lion		Arctic
	tiger		Arctic

**D**

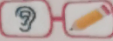
**Dictionary Work**

Use your dictionary to find the meaning of these words. Put them into interesting sentences.

(a) distinctive (b) nutritious (c) endangered (d) habitat (e) protected (f) illegal

Cén sórt aimsire atá ann inniu?

### G. Éist, tarraing agus scríobh.



fluch

te

fuair

gaofar



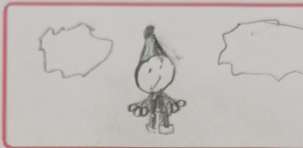
1. Tá sé fluch inniu.



2. Tá sé te inniu.



3. Tá sé fuair inniu.



4. Tá sé gaofar inniu.

### H. Nathair na bhfocal.



Bhianaimsiran-fhluich

1. \_\_\_\_\_

Bhinapáistipréachtaleis anbhfuacht

2. \_\_\_\_\_

Thosaighrianagspalpadh anuas

3. \_\_\_\_\_



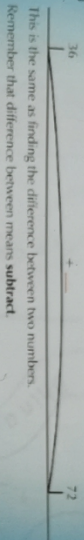
Scríobh nathair na bhfocal de do chuid féin agus tabhair do do chara é.

130

Topic 21: Number Patterns and Sequences

Number sentences

$$36 + \underline{\quad} = 72$$



- A** Use addition to help you answer the following sums:
- $6 + 0 = 12$
  - $9 + 11 = 20$
  - $14 + 7 = 21$
  - $15 + 11 = 26$
  - $8 + 10 = 18$
  - $16 + 15 = 34$
  - $7 + 7 = 14 = 41$
  - $10 + 23 = 37$

- B** Use subtraction to help you answer the following sums:
- $36 + 36 = 72$  or  $72 - 36 = 36$
  - $45 + 17 = 62$  or  $62 - 45 = 17$
  - $22 + 26 = 48$  or  $48 - 22 = 26$
  - $27 + 55 = 82$  or  $82 - 27 = 55$
  - $65 + 21 = 86$  or  $86 - 65 = 21$
  - $56 + 2 = 58$  or  $98 - 98 = 0$

**C** Fill in the missing numbers from the Magic Squares.

1. The magic number is 12

*	5	4	?	*
*	6	4	2	*
*	6	3	3	*

2. The magic number is 18

*	5	11	2	*
*	6	10	2	*
*	10	1	7	*

3. The magic number is 20

*	9	10	1	*
*	5	7	8	*
*	4	11	5	*

4. The magic number is 21

*	5	7	9	*
*	3	8	10	*
*	4	6	11	*



Topic 21: Number Patterns and Sequences 131

- A** Answer the questions.
- Use multiplication to help you answer the following sums.
    - $2 \times \underline{\quad} = 10$
    - $3 \times \underline{\quad} = 12$
    - $4 \times \underline{\quad} = 16$
    - $8 \times \underline{\quad} = 48$
    - $5 \times \underline{\quad} = 35$
    - $9 \times \underline{\quad} = 81$
    - $6 \times \underline{\quad} = 54$
    - $7 \times \underline{\quad} = 56$
  - Try dividing, and see if it helps to find the answer.
    - $2 \times \underline{\quad} = 18$
    - $3 \times \underline{\quad} = 27$
    - $27 \div 3 = 9$
    - $4 \times \underline{\quad} = 16$
    - $7 \times \underline{\quad} = 49$
    - $5 \times \underline{\quad} = 45$
    - $45 \div 5 = 9$
    - $6 \times \underline{\quad} = 54$
    - $54 \div 6 = 9$
    - $9 \times \underline{\quad} = 63$
    - $63 \div 9 = 7$
    - $8 \times \underline{\quad} = 72$
    - $72 \div 8 = 9$
    - $9 \times \underline{\quad} = 81$
    - $81 \div 9 = 9$

- B** Match the following sentences to the correct number sentence.
- There are 24 pupils in Jen's class. Another 4 join.  $98 - 22 = 76$
  - Joan read 34 pages of her book on Monday night and another 28 on Tuesday. Altogether she read 62 pages.  $24 + 3 = 8$
  - Alice collects football cards. She had 98 but she gave 22 to her best friend. Now she has 76 football cards.  $2 \times 7 = 14$
  - Alex bought 2 packets of stickers every day for a week. He brought 14 packets altogether.  $24 + 4 = 28$
  - Jamie shared out 24 cubes between 3 people. They each got 8 cubes.  $34 + 28 = 62$



- C** Write a number sentence for each of the following.
- Mum has 87 books on the bookshelf. She buys another 13 and puts them on the bookshelf. How many books has she altogether?
  - Nathan scored 134 songs on his MP3 player. He decided to delete 24 songs. How many songs are now on the MP3 player?
  - Tara read 167 pages of her book. There are 210 pages in the whole book. How many pages has she left to read?
  - On Monday, Mr Porter sold 23 flower pots. On Tuesday he sold 26 flower pots. If Mr Porter sold 87 flower pots altogether on Monday, Tuesday and Wednesday, how many flower pots did he sell on Wednesday?

**D** In your copy, write word problems for the following number sentences.

- $67 + 24 = \underline{\quad}$
- $89 - 45 = \underline{\quad}$
- $6 \times 4 = \underline{\quad}$
- $32 \div 8 = \underline{\quad}$
- $31 + 42 = \underline{\quad}$
- $78 - 49 = \underline{\quad}$
- $7 \times 10 = \underline{\quad}$
- $81 \div 9 = \underline{\quad}$



# Connect 4

Multiplication dice game: 2 - 4 players

30	9	<del>12</del>	<del>4</del>	<del>1</del>	<del>36</del>	6	24
2	3	18	<del>30</del>	<del>24</del>	12	<del>3</del>	<del>4</del>
<del>12</del>	<del>24</del>	<del>6</del>	16	2	18	30	<del>8</del>
6	15	5	<del>8</del>	15	9	12	<del>36</del>
5	9	20	12	4	<del>6</del>	<del>10</del>	2
20	2	24	1	18	8	<del>4</del>	16
3	10	<del>4</del>	5	36	12	<del>3</del>	<del>6</del>
25	30	12	8	<del>6</del>	9	20	8
18	5	<del>15</del>	10	25	3	1	12

How to play:

1. Roll two dice
2. Multiply the numbers
3. Colour in the answer
4. The first player to get four in a row wins the game!