International Benchmark Tests in English, Mathematics & Science

CLASS 4

Science
Practice Test

ABOUT THIS PRACTICE TEST
This *Practice Test* has 15 questions. It has been designed to give you an idea of the main IBT assessment.

ANSWERING THE QUESTIONS
Each question has four options. Choose the BEST answer from the four options **A, B, C or D.**
You will find the key to the answers on the last page of this booklet.

EQUIPMENT ALLOWED IN THIS PRACTICE TEST
You may use a pencil for this *Practice Test*. You may **NOT** use a dictionary.

ESTIMATED TIME FOR THIS PRACTICE TEST
You should be able to complete this *Practice Test* in approximately 30 minutes.

Australian Council *for* Educational Research

Copyright © 2012 Australian Council for Educational Research

1 Which of these spends its young life **only** in water?

A

B

C

D

2 Light colours reflect more light than dark colours. Smooth surfaces reflect more light than rough surfaces.

Which of these things reflect the **least** light?

black umbrella

A

yellow raincoat

B

grey jumper

C

mirror

D

3 Which property of air allows hot air balloons to float?

A air traps the warmth of the sun

B air is important for breathing

C air is a mixture of gases

D warm air rises

4 Which of these is a renewable source of energy?

A coal

B hydroelectricity

C natural gas

D petroleum

Copyright © 2012 Australian Council for Educational Research

5 Which of these would be best to measure the length of a classroom?

piece of wood

A

30 cm ruler

B

tape measure

C

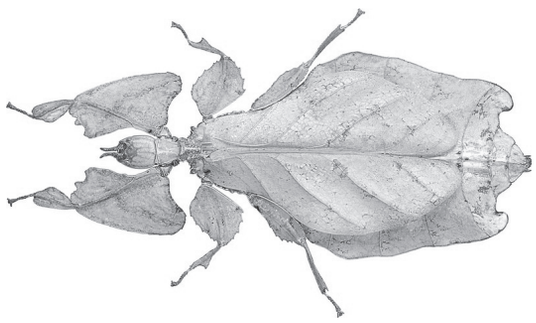
rope

D

6 Camouflaged animals look like the things around them.

Where would this camouflaged insect most likely live?

A in a tree
B on a beach
C under water
D in a desert



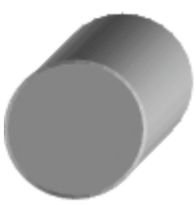
7 How does camouflage help this insect to survive?

A It makes it easier for the insect to eat food.
B It makes it hard for insect-eaters to find it.
C A larger body helps this insect to move about.
D It makes it easier for this insect to find other insects.

8 Ali has four objects.

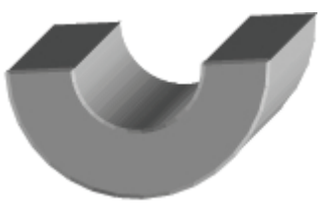
Which object will roll smoothly down a slope?

A



B

C



D

Copyright © 2012 Australian Council for Educational Research

9 This chart shows how long it takes each planet to orbit the Sun.

Planet	Length of orbit
Mercury	88 days
Venus	225 days
Earth	365 days
Mars	687 days
Jupiter	12 years
Saturn	29.5 years
Uranus	84 years
Neptune	165 years

Which of the following statement is true?

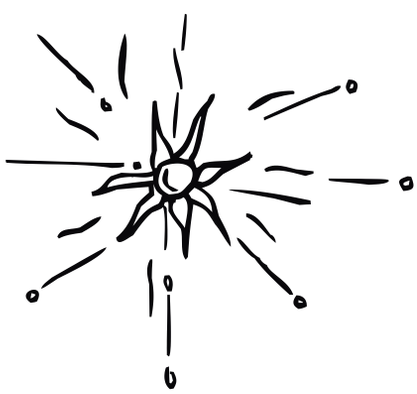
A Uranus completes its orbit faster than Neptune.

B Mars takes more time to complete its orbit than Neptune.

C Jupiter completes its orbit faster than any other planet.

D Earth takes slightly less time to complete its orbit than Venus.

10 This is a picture of the Earth and the Sun in space.



Which of the following is true?

A It is day at point X and night at point Y.

B It is night at point X and day at point Y.

C It is day at both points X and Y.

D It is night at both points X and Y.

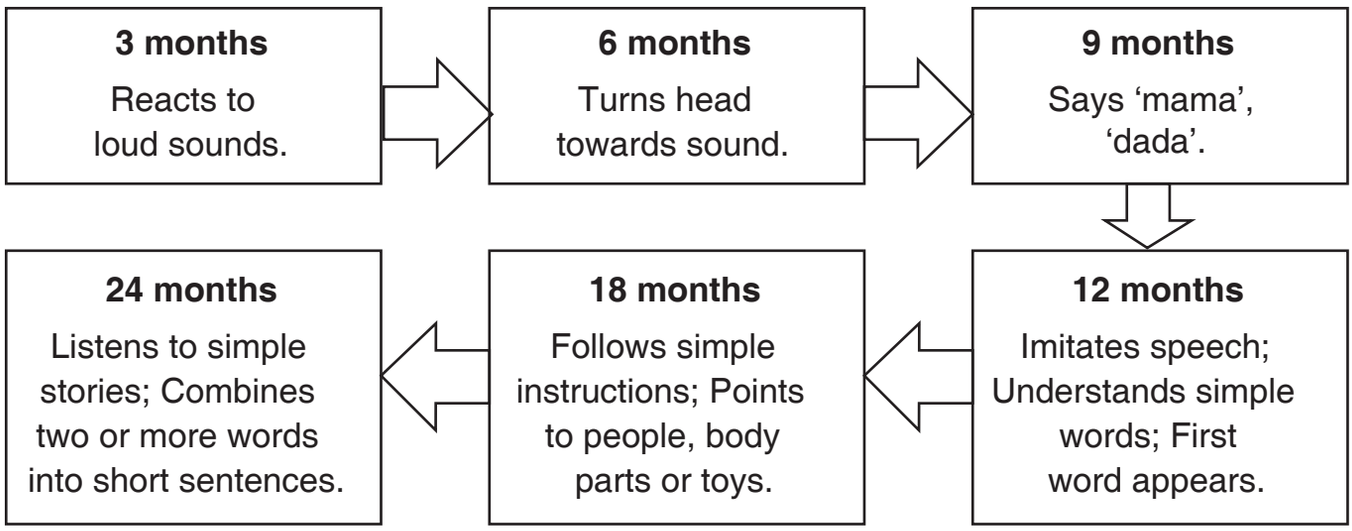
Copyright © 2012 Australian Council for Educational Research

11 Salman measures the length of a leaf with a centimetre ruler.

What is the length of the leaf?

A 3 cm
B 6 cm
C 9 cm
D 12 cm

Ahmed saw this chart about the development of babies.



12 Look at the information in the chart.

At what age does a baby first begin to speak?

A 3 months
B 6 months
C 9 months
D 24 months

13 Look at the information in the chart.

What can a 10 month old child probably do?

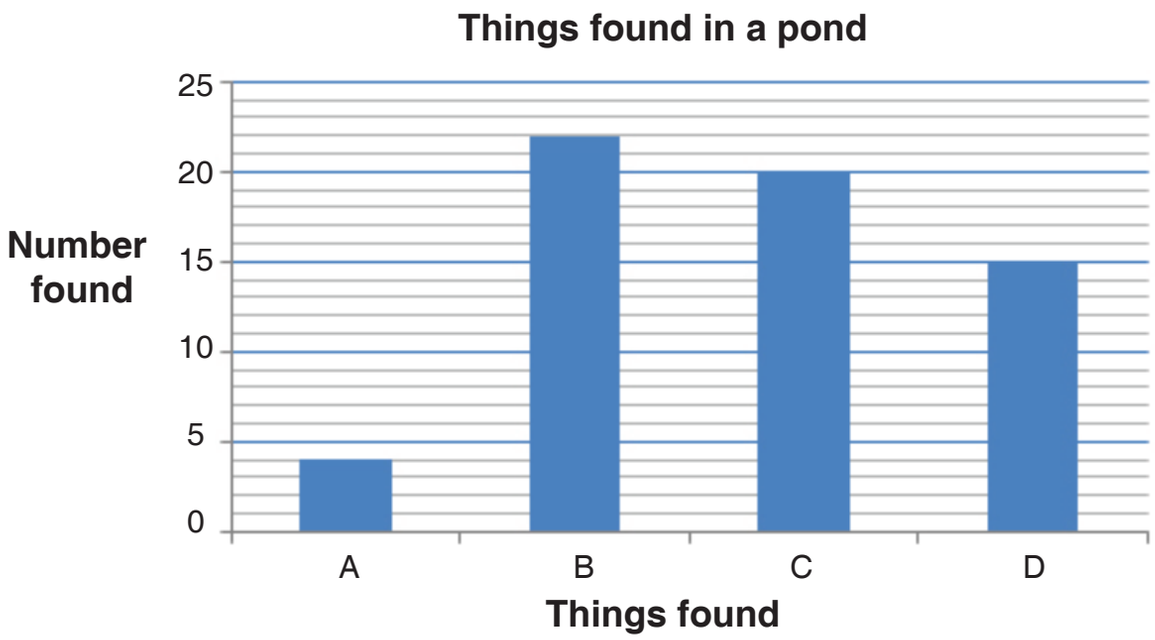
A say 'mama' and 'dada'
B follow simple instructions
C talk in short sentences
D point to their toys

Copyright © 2012 Australian Council for Educational Research

14 Vishal found these things in a pond:

Things found	Number found
tadpoles	20
frogs	4
stones	22
lilies	15

He made a column graph to show what he found.



Which column on the graph shows the number of lilies Vishal found?

A Column A

B Column B

C Column C

D Column D

15 Vishal wanted to look more closely at the tadpoles. He put some tadpoles into water.

What would be the best container to use?

A a cardboard box

B a covered metal container

C a plastic container with a net over the top

D a plastic box with small holes in the bottom

Copyright © 2012 Australian Council for Educational Research

Answer Key

1.	D
2.	A
3.	D
4.	B
5.	C
6.	A
7.	B
8.	B
9.	A
10.	B
11.	C
12.	C
13.	A
14.	D
15.	C

Copyright © 2012 Australian Council for Educational Research