International Benchmark Tests in English, Mathematics & Science

Mathematics
Practice Test

ABOUT THIS PRACTICE TEST

This *Practice Test* has 18 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
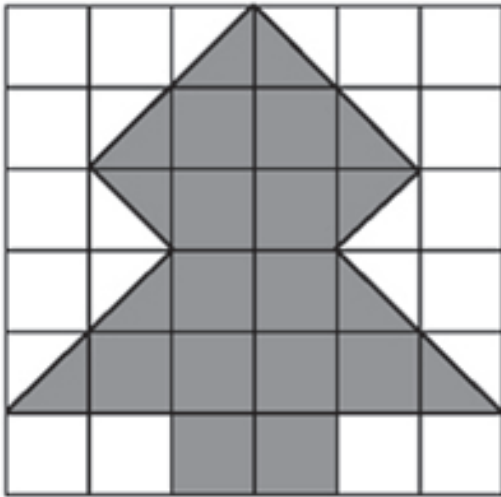
You may use a pencil for this *Practice Test*.

ESTIMATED TIME FOR THIS PRACTICE TEST

You should be able to complete this *Practice Test* in approximately 30 minutes.

ACER

1 Which number is the same as seven tens?

A   17   B   70

C   700   D   710

2 Look at the shape below.

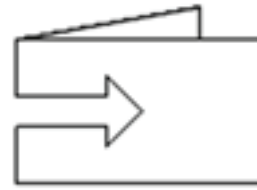What is the area of the shaded shape?

A   12 squares

B   16 squares

C   17 squares

D   22 squares

3 Kaushik had a length of a rope 15 metres long. He cut it into 5 pieces of the same length.
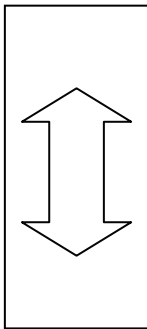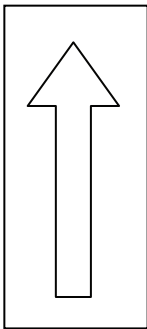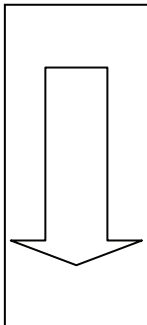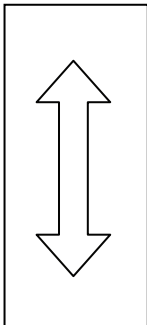
Which of these shows how to calculate the length of each piece in metres?

A   15 x 5   B   15 − 5

C   15 ÷ 5   D   15 + 5

4 Mohit cut a shape out of a piece of folded paper.

Which of these shows the shape when the paper is unfolded?
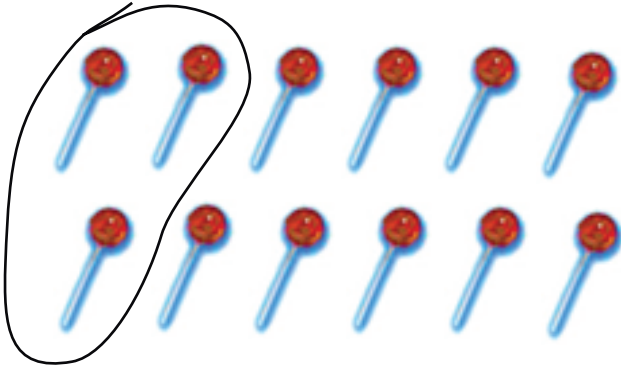
A   B

C   D

5

| ? | x 7 = 378 |

Which number sentence can be used to find the missing number?
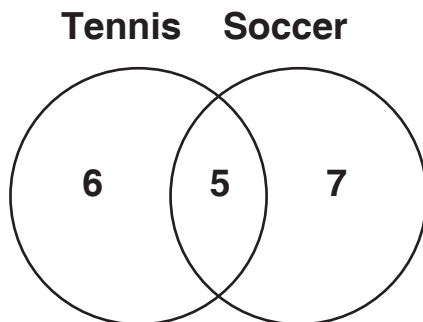
A   7 ÷ 378

B   378 − 7

C   7 + 378

D   378 ÷ 7

6 Namrata drew a circle around some of the lollipops.

What fraction of the total lollipops are in her circle?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{3}{4}$

D $\frac{1}{12}$

7 This diagram shows the different sports some students play.

Tennis   Soccer

How many students play tennis?

A 5

B 6

C 11

D 18

8 How is 18.4 metres written in centimetres?

A 0.184 cm

B 1.84 cm

C 184 cm

D 1840 cm

9 Nabila is counting like this.

$$27\frac{1}{2}, \ 25, \ 22\frac{1}{2}, 20, \ ?$$

Which number should she say next?

A 17

B $17\frac{1}{2}$

C $18\frac{1}{2}$

D $19\frac{1}{2}$

10 Khalid rides his bike at a speed of 18 kilometres per hour. He rides for two and a half hours at this speed, without stopping.

How far does he ride?

A 18 km

B 36 km

C 44 km

D 45 km

11 Sameera rolls a standard six-sided die.

She has the best chance of rolling

A   a six.

B   an odd number.

C   a five.

D   a three or a four.

12 The students in Grade 6 raised money for a charity for several weeks. They raised $ 80 in the first week. Then every week after that they collected $ 6 less than the week before.

How much did they collect in the fourth week only?

A $ 24

B $ 56

C $ 62

D $ 284

13 **0.96 x 705**

Which of these numbers is closest to the answer?

A   70   B   700

C   7000   D   70000

14 Amit has one box of 20 apples and three boxes of 50 apples.

Which statement can be used to work out the total number of apples?

A   (20 + 3) x 50
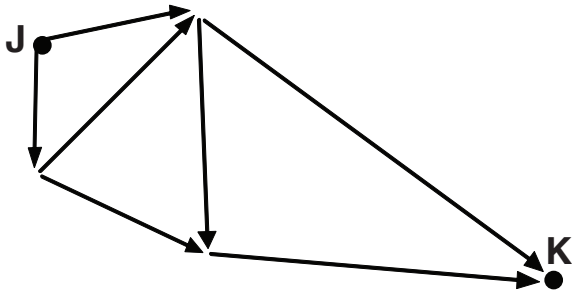
B   20 + (3 x 50)

C   (20 + 50) x 3

D   50 + (20 x 3)

15 The time in City A is 2 hours behind the time in City B.

A plane flies from City A to City B.
The flight takes $3\frac{1}{2}$ hours.
The plane leaves City A at 2:10 pm.

What will be the time in City B when the plane arrives?

A   12:40 pm

B   3:40 pm

C   5:40 pm

D   7:40 pm

16 Vinod can move from J to K in different ways as shown by this diagram.

How many different ways can Vinod move from J to K?

A   4

B   5

C   6

D   7

$\frac{1}{2}$

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17 In a spelling test, Shekhar spells 75% of the 80 words correctly.

How many words did he spell **incorrectly**?

A   5

B   20

C   25

D   60

18 Rohit places 4 cubes into 100 mL of water.

The water level rises to 160 mL.
He then adds some more of the cubes to the water.
The new water level is 250 mL.

How many cubes are in the water altogether?

A   4   B   6

C   9   D   10

Answer Key

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