Year 5 Numeracy Practice Test 1

1   Which one of the following is equal to 865?

| 8+6+5 | 86+5 | 0.865 | 800+60+5 |

Ⓐ   Ⓑ   Ⓒ   Ⓓ

2   Anna's school is a 15 minutes' walk from her home.

She leaves her home at 8:05AM, when does she reach her school?

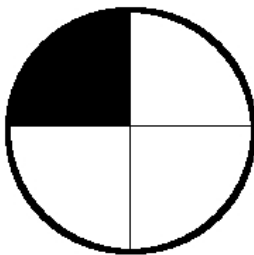8:20AM   8:30AM   8:15AM   8:20PM
Ⓐ   Ⓑ   Ⓒ   Ⓓ

3   Kate drew a circle and filled a portion of the circle with black colour.

What proportion of the circle is black?

$\frac{1}{4}$ $\frac{3}{4}$ $\frac{2}{1}$ $\frac{1}{3}$
Ⓐ   Ⓑ   Ⓒ   Ⓓ

1

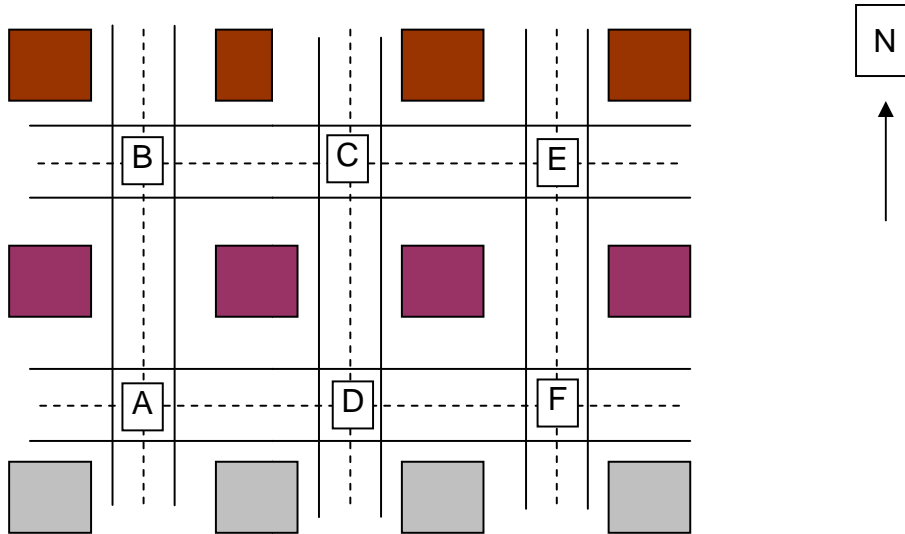| 4 | Martina bought 15 pineapples from a shop. The price of 1 pineapple is $2. What is the price of 15 pineapples? |

$15
Ⓐ

$30
Ⓑ

$35
Ⓒ

$17
Ⓓ

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5   Anna is standing at the position 'A' facing North.

She walks straight in the North direction. On the next corner she turns right and continues walking. She stops at the next corner.
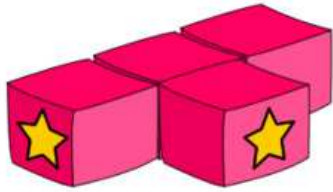
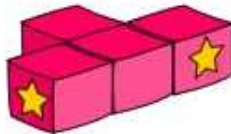At what point does she stop?

C
Ⓐ

B
Ⓑ

D
Ⓒ

E
Ⓓ

6   Steve glued 4 cubes together and then stuck 2 stars on it at different places.

He rotates the object. Which one of the following could be Steve's object?

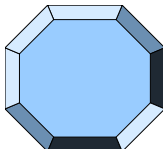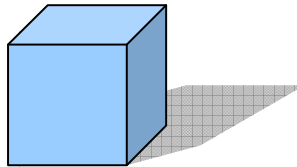Ⓐ   Ⓑ   Ⓒ   Ⓓ

7   Which one of the following objects is similar to an octagon?

.
Ⓐ   Ⓑ   Ⓒ   Ⓓ
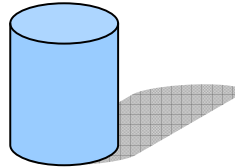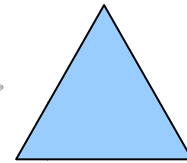
8   Convert the following millilitres into litres.

| 10,000 Millilitres | = | | Litres |

9   In a school, students showed their preference towards different sports as shown in the following chart.
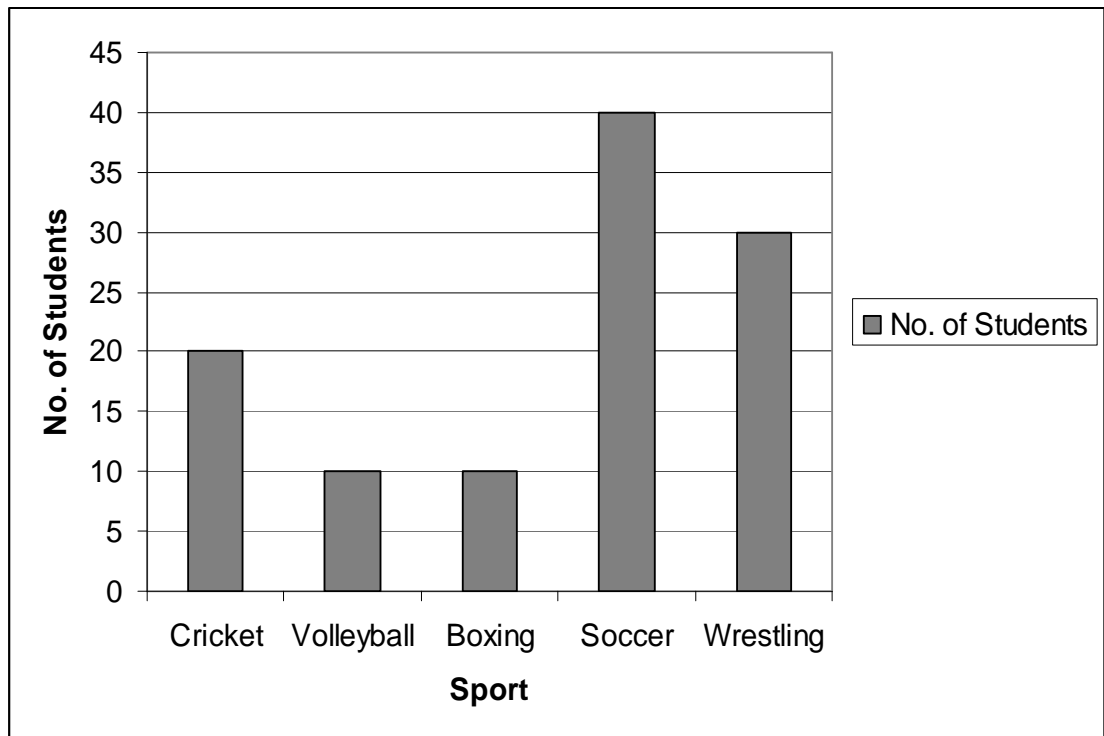
Which of the following two sports combined are more popular than soccer?

Ⓐ Volleyball and Boxing
Ⓑ Cricket and Volleyball
Ⓒ Cricket and Boxing
Ⓓ Wrestling and Cricket

10   Mark is driving at 50 kilometres per hour. How many kilometres Mark will travel in 3 hours?

150 KM   168 KM   99 KM   201 KM
Ⓐ   Ⓑ   Ⓒ   Ⓓ

4

11	Michael worked from 9:30 AM to 5:30 PM and Anna worked from 11:45 AM to 7:45 PM. Who worked more?

    Ⓐ Michael worked more than Anna.
    Ⓑ Anna worked more than Michael.
    Ⓒ Michael and Anna worked for equal hours.
    Ⓓ Anna worked 2 hours less than Michael.

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12 Multiply the following numbers.

5.5	x	2.5	=	

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13 Anna is 26 years old now. She is twice as old as Mark.

What will be the age of Mark after 13 years?

17 years	21 years	30 years	26 years
Ⓐ	Ⓑ	Ⓒ	Ⓓ

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14 Michelle had some clips. She gave each of her five friends 4 clips and was finally left with 1 extra clip.

How many clips did Michelle have in total?

10	15	21	19
Ⓐ	Ⓑ	Ⓒ	Ⓓ

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15 Here is an expression:

25	100	?

What should be the value of ?.

16 Michael has 7 pencils in his geometry box. Two pencils are black and the rest are white.

What is the proportion of white pencils in the geometry box?

$\frac{2}{7}$
Ⓐ

$\frac{7}{2}$
Ⓑ

$\frac{1}{9}$
Ⓒ

$\frac{5}{7}$
Ⓓ

17 There are some cardboard boxes of the same size placed on a table.
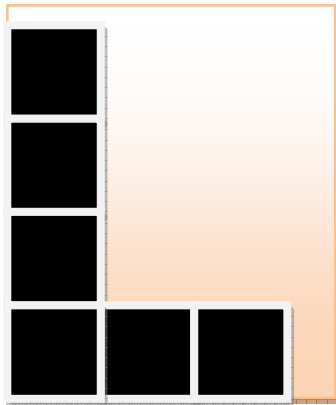
How many cardboard boxes can fit on this table?

12
Ⓐ

16
Ⓑ

8
Ⓒ

33
Ⓓ

18 Here is a sequence of numbers:

1   3   9   27   81

What is the next number in the sequence?

6

19 Smith draws a circle, a square and a triangle overlapping each other.
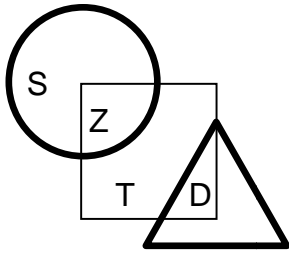
Which of the alphabet letters is in both the circle and the square?

S	Z	T	D
Ⓐ	Ⓑ	Ⓒ	Ⓓ

20 Robert is 18 years old. Stewart is 6times younger than Robert. What is the age of Stewart?

12 years	10 years	24 years	3 years
Ⓐ	Ⓑ	Ⓒ	Ⓓ

21 How many cents are there in $10.99?

1090 cents	1009 cents	1099 cents	10099 cents
Ⓐ	Ⓑ	Ⓒ	Ⓓ

22 A rectangle is shown in the figure.

2 cm

3 cm
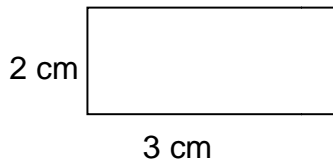
What is the area of the rectangle?

7

23 Here is a chart showing the temperature of Melbourne from 1st June, 2010 to 10th June 2010 in Centigrade.

On what day was the temperature of Melbourne 20^{0}?

1st	3rd	7th	5th
Ⓐ	Ⓑ	Ⓒ	Ⓓ

24 Edward is stronger than Mike but weaker than Robert. Mike is stronger than Dexter. They all participate in a weightlifting competition.

Who is most likely to win the contest?

Edward	Mike	Robert	Dexter
Ⓐ	Ⓑ	Ⓒ	Ⓓ

25 The price of a tourist bus ticket is $6 for 3 kilometres'travel.

How far can Michelle travel with $24?

18 KM	12 KM	15 KM	24 KM
Ⓐ	Ⓑ	Ⓒ	Ⓓ

26 Robin planted 20 plants in his farm. Half of the plants dried up and half of the remaining plants were eaten by animals.

How many plants were eaten by animals?

5	10	12	15
Ⓐ	Ⓑ	Ⓒ	Ⓓ

8

| 27 | Which one of the following fractions is the smallest? |

$$\frac{1}{1}$$ (A) $$\frac{1}{2}$$ (B) $$\frac{1}{3}$$ (C) $$\frac{1}{4}$$ (D)

| 28 | What is the average of 2, 8, 12 and 18? |

| 29 | Write the following 24-hour time into 12-hour time. |

| 23:23 | |

| 30 | In a bag, there are 5 toffees, 3 bubble gums, 2 chocolates and 1 hotdog. |

What is the proportion of chocolates in the bag?

$$\frac{5}{11}$$ (A) $$\frac{1}{7}$$ (B) $$\frac{3}{2}$$ (C) $$\frac{2}{11}$$ (D)

| 31 | Here is a sequence of numbers: |

3   -1   6   -2   12   -4

What is the next number in the sequence?

| 32 | A truck is 8times heavier than a block and the block is 5times heavier than a table. |

How much heavier is the truck than the table?

13times (A)   17times (B)   33 times (C)   40times (D)

| 33 | Elbert jogs every morning for 30 minutes at a speed of 6 kilometres per hour. |

How many kilometres will Elbert run in 26 days?

36 KM (A)   56 KM (B)   32 KM (C)   78 KM (D)

34	There are 24 students in a class. In a Mathematics test, one third of the students got an A grade and half of the remaining students got a B grade.

How many students got a B grade?

8	12	16	7
Ⓐ	Ⓑ	Ⓒ	Ⓓ

35	Loren's weekly pocket money is $60. She saves a 10th of her pocket money every week.

How much money she will save in 4 weeks?

$50	$6	$24	$26
Ⓐ	Ⓑ	Ⓒ	Ⓓ

36   The angle DEF in the following diagram is an

Acute Angle	Obtuse Angle	Right Angle	Straight Angle
Ⓐ	Ⓑ	Ⓒ	Ⓓ

37   Here are three fractions:

$$\frac{2}{3} \, , \, \frac{5}{8} \text{ and } \frac{13}{20}$$

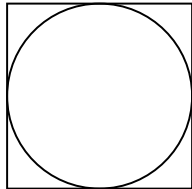Which one of the following puts the fractions in an ascending order?

Ⓐ $\frac{2}{3} \, , \, \frac{5}{8} \, , \, \frac{13}{20}$

Ⓑ $\frac{5}{8} \, , \, \frac{2}{3} \, , \, \frac{13}{20}$

Ⓒ $\frac{5}{8} \, , \, \frac{13}{20} \, , \, \frac{2}{3}$

Ⓓ $\frac{13}{20} \, , \, \frac{5}{8} \, , \, \frac{2}{3}$

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38   Here is a circle inside a square.

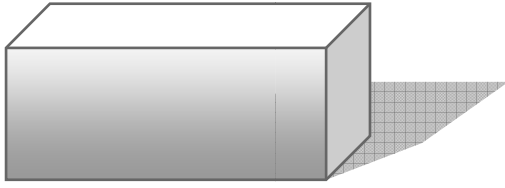The perimeter of the square is 16 cm. What is the radius of the circle?

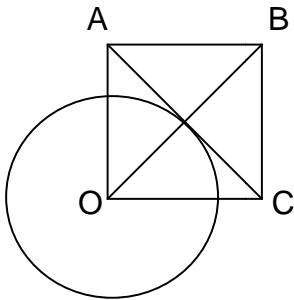| 2 cm	4 cm	8 cm	16 cm
Ⓐ	Ⓑ	Ⓒ	Ⓓ

11

39   Here is a rectangular box.

The length of the box is 12 cm, width is 6 cm and height is 10 cm.

What is the volume of this rectangular box?

40   Here is a square overlapping a circle.

'O' is the centre of the circle. The length of OB is 4 cm.

What is the diameter of the circle?

1 cm	2 cm	4 cm	8 cm
Ⓐ	Ⓑ	Ⓒ	Ⓓ

Answers:

1.	D	16.	D	31.	24
2.	A	17.	A	32.	D
3.	A	18.	243	33.	D
4.	B	19.	B	34.	A
5.	A	20.	D	35.	C
6.	D	21.	C	36.	B
7.	A	22.	6 cm^2	37.	C
8.	10	23.	D	38.	A
9.	D	24.	C	39.	720
10.	A	25.	B	40.	C
11.	C	26.	A		
12.	13.75	27.	D		
13.	D	28.	10		
14.	C	29.	11:23 PM		
15.	4	30.	D		