

OLYMPIAD Mock Test

3

Name : _____

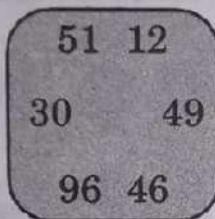
Max. Marks : 40

Number of Questions : 40

Time : 2 Hours

There is no negative marking in the test.

1. Look at the numbers in this box.



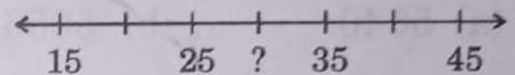
Which of the following is true about the numbers in the box?

- (a) They are all greater than 50.
- (b) They are all between 10 and 100.
- (c) They are all less than 90.
- (d) They are all less than 95.

2. 987 rounded off to nearest hundred gives

- (a) 900
- (b) 990
- (c) 980
- (d) 1000

3. Look at the number line below. What number replaces question mark on it?



- (a) 20
- (b) 26
- (c) 30
- (d) 34

4. What number replaces question mark in the following?

Before	Between	After
80849	?	80851

- (a) 80800
- (b) 80850
- (c) 80900
- (d) 80949

5. Which subtraction gives 102 as the answer?

- (a) $100 - 2$ (b) $300 - 198$
 (c) $400 - 202$ (d) $58 - 44$

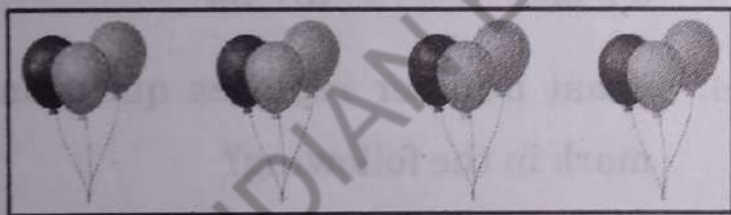
6. Hindu - Arabic numeral for XXXIX is

- (a) 29 (b) 41
 (c) 32 (d) 39

7. 5 thousands + 6 tens - 4 ones is equal to

- (a) 5640 (b) 5056
 (c) 5604 (d) 5540

8. Look at the picture given below.



Which of the following number sentence shows above picture?

- (a) $3 + 3 + 3 + 3 = 12$
 (b) $12 + 3 = 15$

(c) $16 \div 4 = 4$

(d) $3 + 4 = 7$

9. What fraction of alphabets are consonants?

- (a) $\frac{5}{26}$ (b) $\frac{1}{5}$
 (c) $\frac{1}{2}$ (d) $\frac{21}{26}$

10. Estimated sum of 372 and 313 by rounding off to nearest hundred is

- (a) 800 (b) 700
 (c) 600 (d) 680

11. Multiply 985 by 8. The answer is the same as _____

- (a) $788 + 10 + 8$
 (b) $700 + 80 + 8$
 (c) $7000 + 80 + 8$
 (d) $7000 + 800 + 80$

12. What is (275×8) ?

- (a) 11×50 (b) 20×100
 (c) 11×20 (d) 22×100

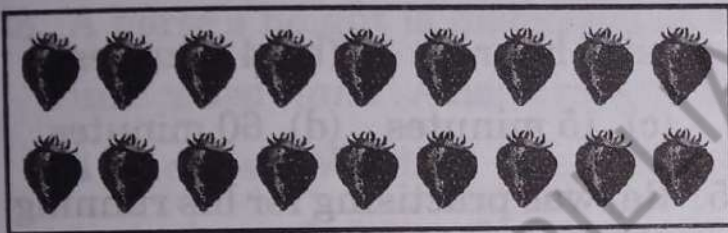
13. Convert 52037 ml into l and ml.

- (a) 5kl 237l (b) 5l 203ml
(c) 52kl 370ml (d) 52l 37ml

14. What is the remainder when 497 is divided by 9?

- (a) 7 (b) 9
(c) 2 (d) 55

15. Find $\frac{1}{3}$ of the following strawberries.



- (a) 8 (b) 6
(c) 12 (d) 16

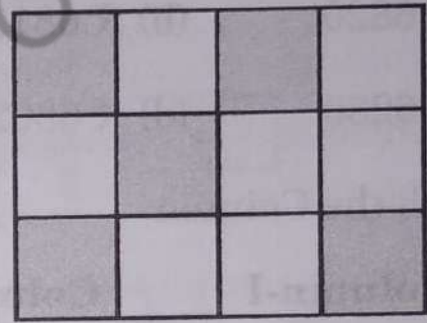
16. Samiksha has 644 cream rolls. She wants to distribute them equally among her 14 friends. How many cream rolls will each get?

- (a) 42 (b) 48
(c) 46 (d) 44

17. What is $\left(\frac{1}{5} - \frac{1}{5}\right) + \frac{1}{5}$?

- (a) $\frac{1}{10}$ (b) $\frac{1}{20}$
(c) $\frac{1}{4}$ (d) $\frac{1}{5}$

18. Swapna made the following design using squares.



What fractional part of the design is shaded?

- (a) $\frac{5}{6}$ (b) $\frac{5}{12}$
(c) $\frac{7}{12}$ (d) $\frac{12}{5}$

19. What do 40 stamps cost, if the cost of each stamp is ₹5 and 15 paise?

- (a) ₹ 200 (b) ₹ 202
(c) ₹ 415 (d) ₹ 206

20. How many weeks are there in 210 days?

- (a) 50 (b) 10
(c) 30 (d) 50

21. Six thousand eight hundred two rupees in numerals is

- (a) ₹ 6820 (b) ₹ 6812
(c) ₹ 6280 (d) ₹ 6802

22. Match the Column.

Column-I

Column-II

- | | |
|-----------------------------|-----------------|
| (A) 5 hours
20 minutes | (1) 220 seconds |
| (B) 3 minutes
40 seconds | (2) 730 days |
| (C) 2 years | (3) 270 days |
| (D) 9 months | (4) 320 minutes |

A B C D

A B C D

- (a) 4 2 1 3 (b) 2 4 3 1
(c) 4 1 2 3 (d) 1 3 4 2

23. Rani started studying at 5:30 p.m. and finishes at 7 p.m. How much time does she study?

- (a) 2 hours
(b) 3 hours and 30 minutes
(c) 1 hour and 30 minutes
(d) 30 minutes

24. How much time will quarter past 4 takes to be half past 4?

- (a) 6 hours (b) 4 minutes
(c) 15 minutes (d) 60 minutes

25. Raj was practising for his running race for the school sports day. On the first day he ran for 10 minutes, on the second day he ran for 12 minutes, on the third day he ran for 14 minutes. If he continued like this, how many minutes would he have been running on the tenth day?

- (a) 24 minutes (b) 28 minutes
(c) 30 minutes (d) 32 minutes

26. Which one of the following is a leap year?

- (a) 1980 (b) 1981
- (c) 1982 (d) all of these

27. Which of the following is used to measure the weight of a rock ?

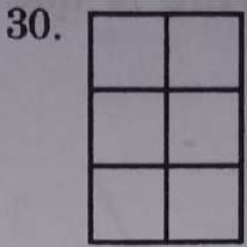
- (a) Balance (b) Scale
- (c) Therometer (d) Compass

28. A horse's height is measured in a unit called 'hand'. A hand measures 4 inches. What is the height (in inches) of a horse that measures 14 hands ?

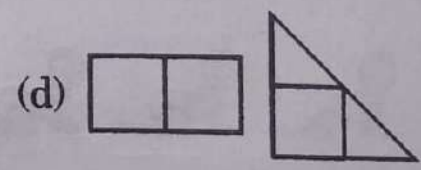
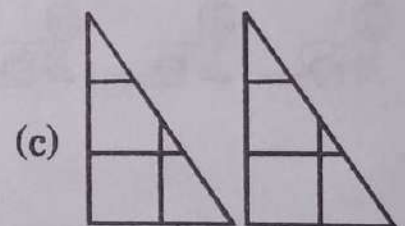
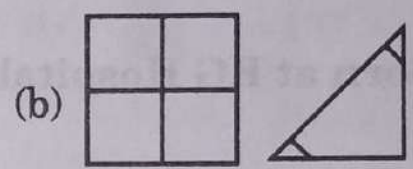
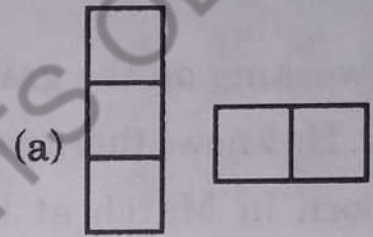
- (a) 36 (b) 46
- (c) 56 (d) 66

29. Which of the lengths below is the shortest ?


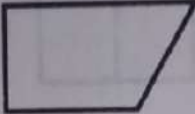


- (a) 1 millimetre (b) 1 centimetre
- (c) 1 metre (d) 1 kilometre



Which of the following pair of shapes could be put together to form the rectangle shown above ?



31. Which of the following is not symmetrical?

- (a) 
- (b) 
- (c) 
- (d) 

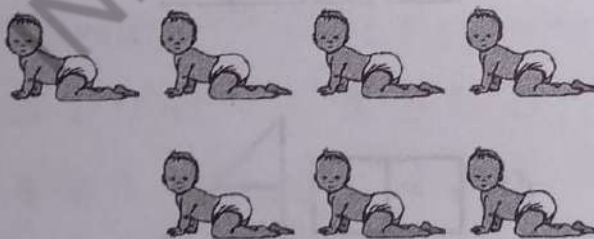
32. Srikanth is working on the graph shown below. He knows there were 30 babies born in March at KG Hospital.

Babies Born at KG Hospital

January




February



March

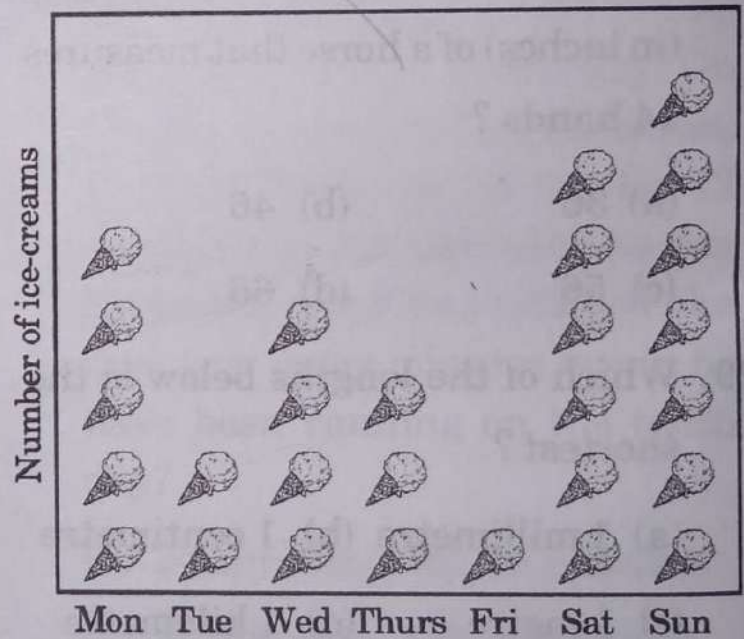


Each  means 5 babies.

How many more babies does Srikanth need to add to March to finish the graph?

- (a) 3
- (b) 5
- (c) 27
- (d) 6

33. The following pictographs shows the number of icecreams sold at a bakery in a weak.


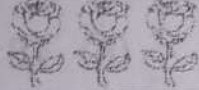

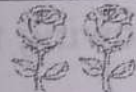




On which day maximum number of icecreams were sold?

- (a) Saturday (b) Tuesday
- (c) Sunday (d) Friday

34. Mrs. Vasundhara's students asked their mothers what their favourite flower was.

Mother's Favourite Flowers

Jasmine	
Tulip	
Rose	
Daisy	
Lily	






Key  = 2 mothers

How many mothers choose daisies?

- (a) 2 (b) 4
- (c) 8 (d) 14

35. Mrs. Keertana asked her friends what kind of pet they have. The information follows:

Kind of Pets

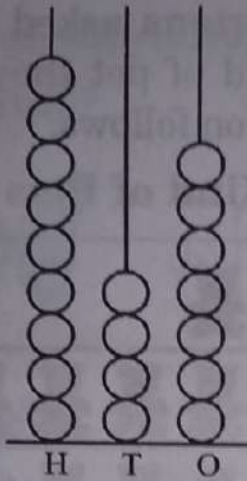
Bird	
Cat	
Gunea pig	
Fish	
Dog	

Key  = 1 pet

What kind of pet do the most of her friends have ?

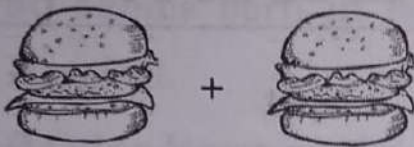
- (a) Bird (b) Cat
- (c) Dog (d) Fish

36. How many beads should be removed from the hundred's place in the abacus shown here, if it has to represent a number between 500 and 600 ?




- (a) 5 (b) 4
(c) 3 (d) 2

37. How much does an icecream cost ?

 = ₹ 10

 = ₹ 18

 = ₹ 15

- (a) ₹ 5 (b) ₹ 8
(c) ₹ 10 (d) ₹ 15

38. Miss Radhika wants to buy a videogame that costs ₹ 2205. So far she has saved ₹2147. How much more money does she need to save to buy the videogame ?


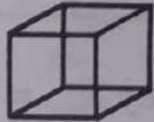

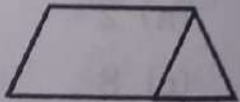
- (a) ₹ 158 (b) ₹ 58
(c) ₹ 68 (d) ₹ 168

39. What is

$19 - 18 + 17 - 16 + 15 - 14 + 13 - 12$?

- (a) 124 (b) 48
(c) 4 (d) 1

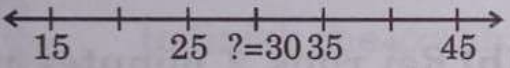
40. Which of the following figure has six faces ?

- (a)  (b) 
(c)  (d) 

MOCK TEST-3

ANSWERS KEY

1	(b)	9	(d)	17	(d)	25	(b)	33	(c)
2	(d)	10	(b)	18	(b)	26	(a)	34	(b)
3	(c)	11	(d)	19	(d)	27	(a)	35	(c)
4	(b)	12	(d)	20	(c)	28	(c)	36	(b)
5	(b)	13	(d)	21	(d)	29	(a)	37	(b)
6	(d)	14	(c)	22	(c)	30	(c)	38	(b)
7	(b)	15	(b)	23	(c)	31	(b)	39	(c)
8	(a)	16	(c)	24	(c)	32	(a)	40	(b)

1. (b) The given numbers in the box are all between 10 and 100.
2. (d) 987 rounded off to nearest 100 is 1000.
3. (c) 
4. (b) 80850 comes between 80849 and 80851.
5. (b) $300 - 198 = 102$
6. (d) $XXXIX = 30 + 9 = 39$
7. (b) 5 thousands + 6 tens = 5060
Now, $5060 - 4 = 5056$
8. (a) There are 12 balloons in the picture.
The number sentence is
 $3 + 3 + 3 + 3 = 12$
9. (d) Number of alphabets = 26
Number of vowels = 5
Number of consonants
= $26 - 5 = 21$
Fraction of consonants = $\frac{21}{26}$
10. (b) 372 rounds up to 400
313 rounds down to 300
Estimated sum
= $400 + 300 = 700$
11. (d) $985 \times 8 = 7880$
= $7000 + 800 + 80$
12. (d) 275×8
= 2200
= 22×100
13. (d) $52037 \text{ ml} = 52000 \text{ ml} + 37 \text{ ml}$
= 52l 37ml
14. (c) When 497 is divided by 9.
$$\begin{array}{r} 9 \overline{)497} \overline{)55} \\ \underline{45} \\ 47 \\ \underline{45} \\ 2 \end{array}$$

Thus, the remainder is 2.
15. (b) $\frac{1}{3}$ of 18 = 6

16. (c) Samiksha has cream roles
= 644

Number of friends = 14

Each friend will get = $\frac{644}{14} = 46$

17. (d) $\left(\frac{1}{5} - \frac{1}{5}\right) + \frac{1}{5}$

= $0 + \frac{1}{5}$

= $\frac{1}{5}$

18. (b) Total parts = 12

Shaded parts = 5

Fractional part of the design is

shaded = $\frac{5}{12}$

19. (d) The cost of each stamp = ₹5.15

The cost of 40 stamps

= ₹ 5.15 × 40 = ₹ 206

20. (c) Number of weeks = $\frac{210}{7} = 30$

21. (d) Six thousand eight hundred two rupees = ₹6802.

22. (c) (A) → 4, (B) → 1, (C) → 2, (D) → 3

(A) 5 hours 20 minutes

= (5 × 60) minutes + 20 min.

= 300 + 20 = 320 minutes

(B) 3 minutes 40 seconds

= (3 × 60) minutes + 40 seconds

= 180 + 40 = 220 seconds

(C) 2 years = 2 × 365 = 730 days

(D) 9 months = 9 × 30 = 270 days

23. (c) Rani starts studies at 5:30 p.m.

Rani finishes at 7 p.m.

She studies = 7 p.m. – 5:30 p.m.

= 1 hour 30 minutes

She studies for 1 hour 30 minutes.

24. (c) Quarter past 4 = 4 : 15

Half past 4 = 4 : 30

Time will be taken from quarter past 4 to be half past 4

= 4 : 30 – 4 : 15 = 15 minutes.

25. (b) Raj runs 2 minutes more on

everyday from previous day. So, he

would have been running on the

tenth day = 14 + 2 (fourth day) + 2

(fifth day) + 2 (sixth day) + 2

(seventh day) + 2 (eighth day) + 2

(ninth day) + 2 (tenth day) = 28

minutes.

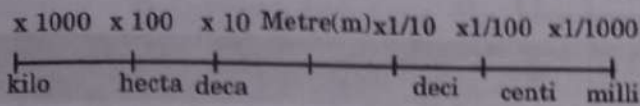
26. (a) 1980

27. (a) Balance is used to measure the weight of a rock.

28. (c) ∵ 1 hand = 4 inches

∴ 14 hands = 14 × 4 = 56 inches.

29. (a)




Thus, 1 millimetre is the shortest length.

30. (c) The pair of shapes given in option (c) can be put together to form the rectangle.

31. (b) Figure in option (b) is not symmetrical.

32. (a) Each  represents 5 babies.

So, Srikanth needs to add 3 more  to finish the graph.

33. (c) Maximum number of ice-creams were sold on Sunday.

34. (b) According to pictograph daisies is chosen by 4 mothers.

35. (c) Most of Mrs. Keertana's friends have dog.

36. (b) 4 beads should be removed from the hundred's place in the abacus to represent a number between 500 and 600.

37. (b) 2 burgers cost = ₹10

1 burger cost = ₹ 5

1 burger and 1 cake cost = ₹15

1 cake cost = ₹15 - ₹ 5 = ₹10.

1 cake and 1 icecream cost = ₹18

1 icecream cost = ₹18 - ₹10

= ₹ 8

38. (b) The cost of videogame = ₹2205

Radhika saved money = ₹2147

She need to save money

= ₹2205 - ₹2147 = ₹58.

39. (c) $19 - 18 + 17 - 16 + 15 - 14 + 13 - 12$

= $1 + 17 - 16 + 15 - 14 + 13 - 12$

= $18 - 16 + 15 - 14 + 13 - 12$

= $2 + 15 - 14 + 13 - 12$

= $17 - 14 + 13 - 12$

= $3 + 13 - 12$

= $16 - 12$

= 4

40. (b) A cube has six faces.