

NEWAY CHALLENGE ACADEMY NO-2

SECOND SEMESTER MATHS REVIEW QUESTION-2 FOR GRADE 6TH STUDENTS.

I. CHOOSE THE CORRECT ANSWER FROM THE GIVEN ALTERNATIVES AND WRITE THE LETTER OF YOUR CHOICE ON THE SPACE PROVIDED

- Which of the following is equivalent to 6:4?
A. 1:1 B. 2:3 C. 3:2 D. 1:5
- There are 100 teachers in a school for 3000 students, which of the following is the teacher student ratio?
A. 3:100 B. 1:1 C. 30:1 D. 1:30
- What is the value of k if $36:k=72:6$?
A. 3 B. 12 C. 6 D. 8
- What is the ratio of 500 milliliter to 2 liter?
A. 1:4 B. 4:3 C. 3:4 D. 4:1
- 30:45 is equivalent ratio of _____
A. 2:3 B. 15:3 C. 3:15 D. 3:2
- Which of the following is correct?
A. $16:32=10:20$ C. $3:4=15:25$
B. $7:3=14:3$ D. 5:15
- The ratio is said to be in simplest form if the common factor is _____
A. 1 B. -1 C. Other than 1 D. Greater than 1
- Two quantities can be compared only if they have the same in _____
A. Unites B. proportion C. ratio D. A & B
- What is the value of m in $3:4= m: 16$?
A. 12 B. 3 C. 16 D. 4
- Four terms a, b, c and d are in proportion then
A. $a:b = c:d$ B. $a:c =d:b$ C. $a:d=b:c$ D. None

11. The ratio of number of boys to numbers to numbers of girls in tutorial class is 2:3. If there are 180 girls, what is the numbers of boys?
- A. 36 B. 60 C. 120 D.100
12. In the word GEOMETRY what is the ratio of number of consonant to the number of vowels?
- A. 4:7 B. 5:3 C. 5:6 D. 6:5
13. If the cost of one dozen of apple is 36 birr then what is the cost of 36 apples?
- A. 102 birr B. 104 birr C. 36 birr D. 108 birr
14. In a class there are 20 boys and 40 girls. What is the ratio of the number of boys to the number of girls?
- A. 2:1 B. 1:2 C. 3:1 D. 1:3
15. What is the simplest form of the ratio 144:28?
- A. 28:4 B. 36:7 C. 7:36 D. 1:2
16. If a pack of 10 pens is 25 birr, then the cost of 36 pens?
- A. 80birr B. 70 birr C.90 birr D. 100 birr
17. You and your friend go out and buy a candy. You buy 16 pieces and your friend buys 20 pieces. What is the ratio of your candies to your friend's candies?
- A. 8:10 B. 4:5 C.16:20 D. 5:4
18. Two numbers are in the ratio 7:9.if the sum of the numbers is 112 then the largest number is?
- A. 49 B. 72 C. 63 D. 42
19. The length and width of a rectangle are in the ratio 3:1.if the width 7cm then the length of a rectangle is _____
- A. 14cm B. 16 cm C. 18cm D. 21cm
20. There are 25 boys 25 girls in a class .The ratio of the number of boys to the total number of students is_____

- A. 3:2 B. 1:2 C. 2:3 D. 1:3
21. The ratio of 25 minutes to 1 hour is _____
A. 7:5 B. 5:12 C. 12:5 D. 5:7
22. 100 students are appeared in annual examination .60 students passed. The ratio of the number of students who failed to the total numbers of students is _____
A. 5:2 B. 2:5 C. 2:3 D. 3:2
23. If $5:6=n:24$ then the value of n is _____
A. 10 B. 20 C. 18 D. 15
24. In a school there are 4000 students. If 60% of them are boys then the ratio of boys to girls is _____
A. 2:3 B. 3:2 C. 3:5 D. 16:24
25. A man divides 4000 birr for 3 persons in the ratio 2:1:5. How much is the maximum expense?
A. 1000 birr B. 2500 birr C. 500 birr D. 1500 birr
26. In a class of 40 students, each student contributed 10 birr for a picnic. The ratio of the contribution on each student to that of the total contribution of the class is _____
A. 40:1 B. 1:4 C. 1:40 D. 4:1
27. The ratio of number of girls to the total number of students in a school is 3:5. What fraction of the students is boys?
A. $\frac{2}{5}$ B. $\frac{3}{5}$ C. $\frac{1}{5}$ D. $\frac{4}{5}$
28. In a question paper $\frac{3}{4}$ of the questions are short answers. What is the ratio of short answer questions to that of the rest of the questions?
A. $\frac{4}{4}$ B. $\frac{2}{4}$ C. $\frac{3}{4}$ D. $\frac{1}{4}$
29. 20% of Ato Samuel's salary is 600 birr. How much is Ato Samuel's salary?
A. 5000 birr B. 3000 birr C. 6000 birr D. 2000 birr
30. What is 30 % of 5 % of 200?
A. 2 B. 0.2 C. 3 D. 0.3

31. 125 % of m is 5 then the value of m is _____
- A. 0.3 B. 3 C. 0.4 D. 4
32. An elephant can work about 25 % of the day. What fraction of a day is that?
- A. 4 hours B. 6 hours C. 5 hours D. 10 hours
33. In a class there are 40 students. If $\frac{1}{4}$ of them are boys then what percent of the students are girls?
- A. 60% B. 75% C. 25% D. 20%
34. Ato kebede's salary is 10,000 birr. If he has got 40% increment this month, then how much money will be paid after this month?
- A. 10,000 birr B. 4000 birr C. 14,000 D. 6000 birr
35. A 20m wire is cut in to two parts in the ratio 2:3, then what the length of the largest wire?
- A. 8m B. 12m C. 14m D. 6m
36. Which of the following is not true about ratio?
- A. Ratio has no unit
- B. For any two quantities a and b, $a:b=b:a$
- C. Ratio is usually written in lowest term.
- D. All of the above
37. When does $a:b=b:a$?
- A. If $a>b$ C. If $a=b$
- B. If $a<b$ D. can't be determined
38. One of the ratio in proportion is 1:2. Each of the cross product is 12 then what is the other ratio?
- A. 12:6 B. 6:12 C. 2:3 D. 1:8

39. Double the four numbers in proportion .do the new numbers form a proportion?
A. Yes(how?) B. no(how?) C. can't be determined
40. Find two numbers in a ratio equal to 10:15.one number must be 1 more than the other.
A. 4:5 B. 2:3 C. 6:7 D. 9:10

PROBABILITY OF EVENTS

41. The process of an observation is often called_____
- A. Event B. outcome C. experiment D. sample space
42. If the probability of an event is 1 then it is called_____
- A. Impossible B. Certain C. Half chance
43. Outcomes of an experiment do not depend on experiment.
- A. True B. false
44. Which of the following is an example of experiment?
- A. Tossing a coin
B. Rolling a dice
C. Playing a spinner
D. All
45. Which of the following is not certain event?
- A. Night will follow day
B. December follow November next year
C. Two lines intersect at four points.
D. A day after Monday is Tuesday
46. A letter is chosen at random from the word MATHEMATICS .what is the probability of getting letter T?

A. 11:2 B. 2:11 C. 2:10 D. 7:11

47. A pair of fair dice is rolled. What is the probability of getting the sum 19?

A. $\frac{1}{2}$ B. $\frac{3}{4}$ C. 0 D. 1

48. Which of the following is true about probability scale?

A. Probability of an event ranges from 0 to 1.

B. Probability of half chance is $\frac{1}{2}$.

C. Probability of impossible outcome is 0.

D. All of the above

49. A team has a chance 0.3 to win the game, what is the probability to lose?

A. 0.7 B. 7% C. $\frac{7}{100}$ D. all

50. Suppose Mr. Abebe toss a coin twice. What is the probability of getting exactly two heads?

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

