MATHEMATICS

1. The numeral **6 203 705** is read as:

   (A)Sixty two thousand and three seven hundred and five
   (B) Six million two hundred and three thousand seven hundred and fifty
   (C) Six million twenty-three thousand and seventy-five
   (D)Six million two hundred and three thousand seven hundred and five

2. What are the two missing terms in the sequence below?
   1, 12, 23, 34, 45, _____, _____

   (A) 55, 64 (B) 46, 57 (C) 56, 67 (D) 53, 64

3. **49** written in **Roman Numerals** is _____.

   (A) XLXI (B) XLIX (C) XXXXIX (D) XXXXXI

4. Which of these phrases **BEST** describes the numeral **41**?

   (A) an even number (B) a prime number
   (C) a composite number (D) a multiple of 4

5. **13 x 29 = 377**. What does **377** represent?

   (A) the product (B) the sum
   (C) the dividend (D) the difference

6. Which of the following is **NOT** a factor of **32**?

   (A) 16 (B) 2 (C) 4 (D) 12

7. Marvin rounded the number **13 487** to **13 500**. To what place did he round off?

   (A) tens (B) hundreds (C) thousands (D) ten thousands

8. Which number must be added to the sum of **105** and **19** to give **400**?

(A) 524 (B) 124 (C) 276 (D) 314

9. $(3 \times 10^6) + (6 \times 10^5) + (5 \times 10^3) + (9 \times 10^0) =$

(A) 36 059 (B) 360509 (C) 360 050 (D) 36 509

10. **15** out of **5 dozen** eggs are used to bake a cake. How many eggs were **NOT** used?

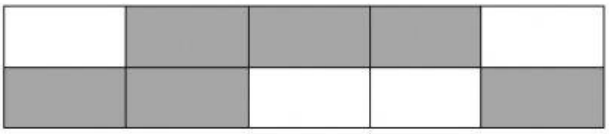
(A) 10 (B) 20 (C) 45 (D) 60

11. Which of the following fractions are correctly written in **ascending order**?

(A) $^2/_8, ^2/_6, ^1/_2, ^2/_3$ (B) $^1/_2, ^2/_6, ^2/_8, ^2/_3$

(C) $^2/_3, ^2/_8, ^2/_6, ^1/_2$ (D) $^1/_2, ^2/_3, ^2/_8, ^2/_6$

12. What fraction of this figure is shaded?



(A) $\frac{3}{5}$ (B) $\frac{4}{6}$ (C) $\frac{4}{10}$ (D) $\frac{6}{4}$

13. Jack collected $\frac{2}{6}$ of the butterflies for a project. If he collected **24** butterflies, how many butterflies were collected in all?

(A) 12 (B) 72 (C) 36 (D) 48

14. **All** of the following will result in **15 EXCEPT:**

(A) $\frac{1}{4}$ OF 60 (B) $\frac{2}{4}$ OF 30 (C) $\frac{3}{5}$ OF 25 (D) $\frac{4}{6}$ 0F 24

15. Mangoes are shared between boys and girls in the ratio **5:3**. Which of these will be **equal** in value to the ratio?

(A) 27:45 (B) 8:5 (C) 15:3 (D) 30:18

16. A machine can print **200** sheets of pictures in **5 minutes**. How many sheets of pictures can it print in **one hour**?

(A) 1 000 (B) 2 400 (C) 3 000 (D) 12 000

17. If **12** men can build a wall in **4 days**, how long will **6** men take to build the same wall, if they work at the **same** pace?

(A) 8 days (B) 16 days (C) 6 days (D) 24 days

17. Mother shared **$7500** among her children Sam, Jenna and Shelby in the ratio **6:5:4**. How much money did Jenna receive?

(A) $7550 (B) $3000 (C) $2000 (D) $2500

18. What is the **area** of a square with a perimeter of **60** cm?

(A) 155cm^2 (B) 205cm^2 (C) 175cm^2 (D) 225 cm^2

19. The **distance** around a rectangular field is **84** m and its length is **30** m. What is the **width** of the field?

(A) 12 m (B) 54 m (C) 24 m (D) 114 m

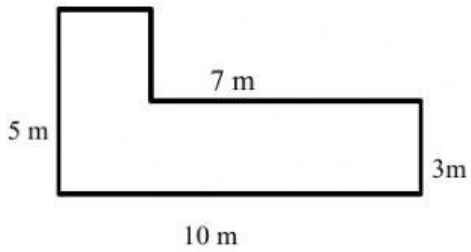
20. Mr. Paul divided a sum of money between Henry and John in the ratio 4:3. John received $36.00. How much did Henry receive?

(a) $48 (b) $36 (c) $30 (d) $29

21. Two numbers are in the ratio 3:7. If their sum is 710, then the two numbers are _____ and _____.

(a) 284 and 426 (b) 213 and 497 (c) 71 and 639 (d) 275 and 435

22. What is the **total** area of the shape below?



(A) 25 m^2 (B) 71 m^2 (C) 36 m^2 (D) 1050 m^2

23. Martin turned **50** years in **2010**. John is **5** years younger than Martin. In what year was John born?

(A) 1960 (B) 1970 (C) 1965 (D) 2005

24. The time shown on a **digital clock** is **09:55 hrs.** How many minutes is it to the **next** hour in local time?

(A) 5 minutes to 10 in the morning.
(B) 9 minutes to 5 in the morning
(C) 5 minutes to 10 in the evening
(D) 55 minutes to 9 in the morning
(E)

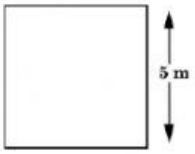
25. Melody left her home and travelled for **one and a half hours** before she arrived at her destination at **2:15 pm**. At what time did she leave her home?

(A) 4:15 pm (B) 1:25 pm (C) 1:12 pm (D) 12:45 pm

26. Chad and Seon must save $120 in the ratio 2:3. How much will Chad receive?
A 24 B 48 C 72

27. The sum of any even number and three would **always** be:
A Odd B Even C Composite

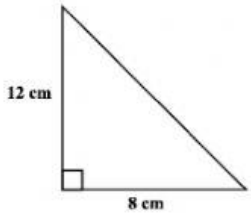
Question 27 refers to the following diagram which shows a field in the shape of a square.



27. The area of the field, in m^2, is

(A) 10
(B) 20
(C) 25

Question 33 refers to the diagram below which represents a right-angled triangle.



33. The area of the triangle, in cm^2, is

(A) 20
(B) 48
(C) 96

30. Find the perimeter of a square which has an area of 36 cm^2.

(a) 24 cm (b) 24 cm^2 (c) 36 cm (d) 36 cm^2

31. The time shown on the clock below is _____.

(a)10 minutes to 2 (b)10 minutes past 2

(c)10 minutes past 10 (d) 2 minutes past 10

32. A man left Micoud at 8:30 and arrived in Castries at 9:18. How long was his journey?

(a) 88 minutes (b) 48 minutes (c) 30 minutes (d)18 minutes

33. Twenty five minutes to eight can be written as _____.

(a)7:35 (b) 8:25 (c) 25:8 (d)7:25

34. A clock is 30 minutes slow. It is now 5 minutes to 9 o'çlock. What is the correct time?

(a) 8:35 (b) 9:25 (c) 8:25 (d) 9:35

35. The side of a square mat measures 6m. The perimeter is _____.

(A) 12m (B) 24m (C) 36m (D) 48m

36. In a bag there are 16 apples and 20 pears. The ratio of pears to apples is _____.

(A) 14:20 (B) 4:5 (C) 5:4 (D) 4:3

37. A sum of money was shared in the ratio 2:3 between Billy and Stacy. If Stacy received $24, Billy's share was _____.

(A) $8 (B) $16 (C) $24 (D) $40

38. Buses departs the bus terminal every 30 minutes. If the second bus left at 8:10 am. When did the FIRST bus leave the terminal?

A 7:40 am B 8:40 am C 7:30 am

39. Troy watched a 96-minute football game between France and Switzerland. He watched the game for_____hrs____ minutes.

A 2hrs 6 mins B 1hr 16 mins C 1hr 36 mins

40. What is the perimeter of a square whose area is 144cm²?

A 12 cm B 72 cm C 48 cm