

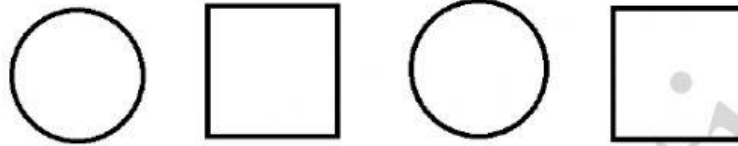
ROUND 1: MATHS 5

Choose the correct answer.

1. What is $\frac{1}{8}$ plus $\frac{1}{4}$?
A. $\frac{5}{12}$ B. $\frac{3}{8}$ C. $\frac{1}{8}$ D. $\frac{2}{12}$
2. What is $\frac{17}{36}$ minus $\frac{5}{12}$?
A. $\frac{1}{18}$ B. $\frac{7}{36}$ C. $\frac{12}{24}$ D. $\frac{25}{432}$
3. Which of the following is the product of $\frac{3}{4}$ and $\frac{8}{3}$?
A. $\frac{1}{4}$ B. $\frac{3}{2}$ C. 2 D. 4
4. The area of a rectangle is $\frac{25}{17}$ square meters. If the length is $\frac{10}{3}$ metres, what is the width of the rectangle?
A. $\frac{170}{25}$ metres B. $\frac{25}{3}$ metres C. $\frac{15}{34}$ metres D. $\frac{10}{17}$ metres

5. Mixed fraction $12\frac{18}{151}$ is read as
- A. twelve and eighty over one hundred and fifty-one
B. twelve and eighteen over one hundred and fifty-one
C. twelve and eighty over one hundred and fifteen-one
D. twelve and eighteen over one hundred and fifty-one
6. Convert $\frac{71}{60}$ into a mixed fraction.
- A. $6\frac{1}{60}$ B. $1\frac{11}{60}$ C. $1\frac{60}{71}$ D. $6\frac{1}{71}$
7. In mixed fraction $8\frac{6}{29}$, number 8 is called the
- A. whole number part B. fraction part
C. numerator part D. denominator part
8. John thinks of number X. He divides X by $\frac{16}{47}$, then adds $11\frac{11}{64}$ to the result. Finally, he gets $11\frac{41}{64}$. What is the value of X?
- A. $\frac{18}{93}$ B. $\frac{11}{94}$ C. $\frac{16}{93}$ D. $\frac{15}{94}$
9. Class 5E has 18 girls and 20 boys. What is the ratio of boys to girls?
- A. 10 : 9 B. 9 : 10 C. 1 : 2 D. 2 : 1

10. Look at the picture. What is the ratio of squares to circles?



- A. 2 : 4 B. 3 : 2 C. 1 : 1 D. 1 : 3

11. Simplify the ratio 270 : 360 to its simplest form.

- A. 27 : 36 B. 3 : 4 C. 9 : 12 D. 1 : 2

12. The ratio of M and N is 2 : 3. If M is equal to 4, the value of N is

- A. 8 B. 4 C. 10 D. 6

13. In a zoo, there are 85 animals: 30 monkeys, 15 lions, 20 tigers and the rest are hippos. What is the ratio of lions to hippos?

- A. 4 : 3 B. 2 : 1 C. 1 : 2 D. 3 : 4

14. Which of the following fraction is equal to 0.5?

- A. $\frac{1}{2}$ B. $\frac{2}{3}$ C. $\frac{1}{5}$ D. $\frac{3}{5}$

15. Number 40.26 is read as

- A. forty twenty-six B. forty and twenty-six hundredths
C. forty and point twenty-six D. forty point twenty-six tens

16. Which of the following is less than 0.316?
- A. 0.3 B. 0.32 C. 0.385 D. 0.3201
17. Which of the following is the greatest number?
- A. 10.081 B. 10.801 C. 10.081 D. 10.810
18. Decimal number K has 5 digits. The digit in the ones place is the smallest whole number. The digit in the tenths place is four times the digit in the hundredths place. The sum of the digits in the tens place and thousandths place is NOT divisible by 5. Which of the following could be K?
- A. 20.623 B. 11.829 C. 10.828 D. 20.413
19. Convert 2 tonnes to kilograms.
- A. 200 kilograms B. 2 000 kilograms
C. 20 kilograms D. 20 000 kilograms
20. An elephant weighs 7 tonnes and a pig weighs 3 quintals. What is the difference between the masses of the two animals?
- A. 67 quintals B. 4 tonnes
C. 4 quintals D. 7 tonnes 3 quintals

21. Which of the following is correct?

A. $812 \text{ cm} = 8.12 \text{ dm}$

B. $405 \text{ mm} = 0.045 \text{ m}$

C. $211 \text{ m} = 0.211 \text{ km}$

D. $348 \text{ dm} = 34.8 \text{ cm}$

22. There are four students: Maxwell, Marley, Natalie and Nathan. Marley is 1.56 metres tall. Maxwell is 6 centimetres taller than Marley. The height of Natalie is 148 centimetres. If their total height is 617 centimetres, how tall is Nathan?

A. 1.49 metres

B. 1.50 metres

C. 1.48 metres

D. 1.51 metres

23. Which of the following is NOT correct?

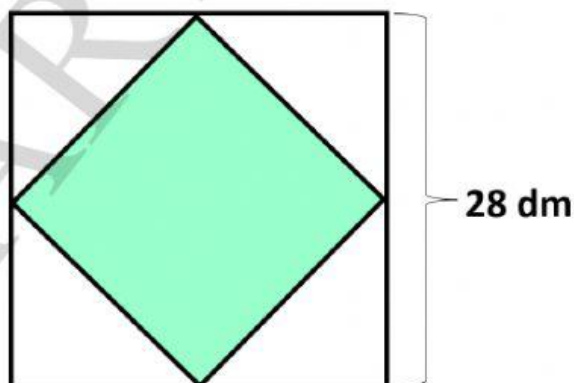
A. $0.5 \text{ m}^2 = 50 \text{ dm}^2$

B. $7 \text{ ha} = 70\,000 \text{ m}^2$

C. $10.2 \text{ cm}^2 = 1\,020 \text{ mm}^2$

D. $8 \text{ dm}^2 = 80 \text{ cm}^2$

24. What is the area of the shaded square?



A. 392 dm^2

B. 400 dm^2

C. 390 dm^2

D. 415 dm^2

25. Fill in the blank to make a suitable sentence:

Hailey often gets up at in the morning.

A. 5:00 PM

B. 6:30 AM

C. 13:40

D. 22:00