



# Indian School Al Wadi Al Kabir

## Pre-Mid Term Examination (2026-27)

Class: VI

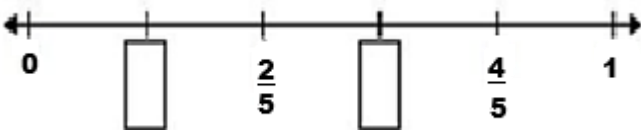
MATHEMATICS

Max. Marks: 30

Date: 18/05/2026

Time: 1 Hour.

### ANSWER KEY

| SECTION A Multiple Choice Question (Q.1 to Q.8) |                                                                                                                                                                                           |   |               |   |                                 |   |                    |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|---------------------------------|---|--------------------|
| 1.                                              | Choose the greatest fraction among the following:                                                                                                                                         |   |               |   |                                 |   |                    |
| A                                               | $\frac{1}{11}$                                                                                                                                                                            | B |               | C |                                 | D | 1M                 |
| 2.                                              | A pizza is cut into 8 equal slices. Harry ate 3 slices. Fraction of the pizza eaten by Harry is:                                                                                          |   |               |   |                                 |   |                    |
| A                                               |                                                                                                                                                                                           | B | $\frac{3}{8}$ | C |                                 | D | 1M                 |
| 3.                                              | The simplest form of $\frac{18}{24}$ is:                                                                                                                                                  |   |               |   |                                 |   |                    |
| A                                               |                                                                                                                                                                                           | B |               | C |                                 | D | $\frac{3}{4}$ 1M   |
| 4.                                              | <div><div></div><div>The fractions in the empty boxes are:</div></div>                                 |   |               |   |                                 |   |                    |
| A                                               |                                                                                                                                                                                           | B |               | C | $\frac{1}{5}$ and $\frac{3}{5}$ | D | 1M                 |
| 5.                                              | Which of the following fractions is equivalent to $\frac{4}{9}$ ?                                                                                                                         |   |               |   |                                 |   |                    |
| A                                               |                                                                                                                                                                                           | B |               | C |                                 | D | $\frac{40}{90}$ 1M |
| 6.                                              | <div><div></div><div>Identify the fraction represented by the shaded region in the figure:</div></div> |   |               |   |                                 |   |                    |
| A                                               | $\frac{6}{8}$                                                                                                                                                                             | B |               | C |                                 | D | 1M                 |
| 7.                                              | A garden has roses and tulips. If $\frac{1}{5}$ of the flowers in the garden are roses and $\frac{2}{5}$ of the flowers are tulips, what fraction of the garden is covered with flowers?  |   |               |   |                                 |   |                    |
| A                                               |                                                                                                                                                                                           | B |               | C | $\frac{3}{5}$                   | D | 1M                 |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |   |  |   |      |   |                   |                             |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|--|---|------|---|-------------------|-----------------------------|
| 8.  | Reena bought $\frac{18}{5}$ Kg of fruits which is same as:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |  |   |      |   |                   |                             |
|     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | B |  | C |      | D | $3\frac{3}{5}$ kg | 1M                          |
|     | <p style="text-align: center;"><b>Section B: Source based questions (Q.9 to Q.12)</b></p> <p>A new amusement park launched a “Treasure Locker Challenge.” Visitors received locker numbers, and special rewards were unlocked if the locker number followed certain divisibility rules. The visitors were excited to receive special gifts based on their locker number. A family of 5 members visited the park and received the following locker numbers:</p> <div><div>4690</div><div>1836</div><div>5245</div><div>3393</div><div>1001</div></div> <p>Based on the given information answer the following questions:</p> |      |   |  |   |      |   |                   |                             |
| 9.  | Locker numbers that are divisible by both 5 and 10 received a free locker. Which of the following numbers are divisible by both 5 and 10?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |   |  |   |      |   |                   |                             |
|     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | B |  | C | 4690 | D |                   | 1M                          |
| 10. | Visitors with a number divisible by 2 received a free meal packet. Which of the following locker numbers are divisible by 2?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |   |  |   |      |   |                   |                             |
|     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1836 | B |  | C |      | D |                   | 1M                          |
| 11. | Locker numbers divisible by 3 are eligible for a free ticket for 3D game. Choose the locker number divisible by 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |   |  |   |      |   |                   |                             |
|     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | B |  | C | 3393 | D |                   | 1M                          |
| 12. | Visitors with a locker number divisible by both 2 and 3 are eligible for a special Bonus prize. Which of the following locker numbers will receive the Bonus prize?                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |   |  |   |      |   |                   |                             |
|     | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | B |  | C |      | D | 1836              | 1M                          |
|     | <b>Section C: Long Answer Questions (Q13 to Q.18 )</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |   |  |   |      |   |                   |                             |
| 13. | <p>Rohan and Nikhil went for fishing. Rohan caught a fish of weight <math>\frac{4}{5}</math> Kg and Nikhil caught a fish of weight <math>\frac{5}{7}</math> kg. Whose fish weigh more?</p> <p><b>Ans:</b> Weight of the fish that Rohan caught = <math>\frac{4}{5}</math> Kg<br/>Weight of the fish that Rohan caught = <math>\frac{5}{7}</math> Kg<br/><b>LCM = 35,</b> <math>\frac{4 \times 7}{5 \times 7} = \frac{28}{35}</math> and <math>\frac{5 \times 5}{7 \times 5} = \frac{25}{35}</math><br/><math>\frac{28}{35} &gt; \frac{25}{35}</math> Therefore, Rohan’s fish weigh more.</p>                                |      |   |  |   |      |   |                   | <div>1M</div> <div>1M</div> |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 14.                            | <p>Riya baked <math>\frac{5}{6}</math> of a tray of brownies. Her brother Mithun ate <math>\frac{1}{4}</math> of it.<br/>Find the fraction of the tray of brownies left with Riya.</p> <p><b>Ans:</b> Amount of brownies Riya baked = <math>\frac{5}{6}</math> of a tray<br/>Amount of brownies Mithun ate = <math>\frac{1}{4}</math> of a tray<br/>Fraction of the tray of brownies left with Riya = <math>\frac{5}{6} - \frac{1}{4}</math></p> <p>LCM = 12, <math>\frac{5 \times 2}{6 \times 2} - \frac{1 \times 3}{4 \times 3}</math><br/> <math>= \frac{10}{12} - \frac{3}{12}</math><br/> <math>= \frac{7}{12}</math></p> <p>Therefore, fraction of the tray of brownies left with Riya = <math>\frac{7}{12}</math></p> | <p><b>1M</b></p> <p><b>2M</b></p>                                              |
| 15.                            | <p>In a class of 25 children, 10 are girls. What fraction of the number of students are girls. Express this fraction in the lowest form.</p> <p><b>Ans:</b> Number of students = 25<br/>Number of girls = 10<br/>Fraction of the number of girls = <math>\frac{10}{25}</math></p> <p><math>\frac{10}{25} = \frac{2}{5}</math></p>                                                                                                                                                                                                                                                                                                                                                                                            | <p>1M</p> <p>1M</p>                                                            |
| 16.                            | <p>i) Check whether the following fractions are equivalent: <math>\frac{14}{21}</math> and <math>\frac{8}{12}</math></p> <p><b>Ans:</b> <math>\frac{14}{21} = \frac{2}{3}</math> and <math>\frac{8}{12} = \frac{2}{3}</math> Therefore, yes they are equivalent.</p> <p>ii) Convert the given fraction to its simplest form: <math>\frac{45}{81}</math></p> <p><b>Ans:</b> <math>\frac{45 \div 9}{81 \div 9} = \frac{5}{9}</math></p>                                                                                                                                                                                                                                                                                        | <p>1M</p> <p>1M</p>                                                            |
| 17.                            | <p>Represent the following fractions on a number line: <math>\frac{1}{7}, \frac{3}{7}, 1, \frac{5}{7}</math></p> <p><b>Ans:</b> Drawing number line<br/>Marking the 4 fractions</p> <p>(<math>\frac{1}{2} \times 4 = 2M</math>)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>1M</p> <p>2M</p>                                                            |
| 18.                            | <p>Deepak scored 30 out of 40 marks in English, 18 out of 20 marks in Mathematics and 8 out of 10 in Computer Science. Write these marks in fraction form and arrange the marks in descending order.</p> <p><b>Ans:</b><br/>English: <math>\frac{30}{40}</math><br/>Mathematics: <math>\frac{18}{20}</math><br/>Computer science: <math>\frac{8}{10}</math></p> <p>LCM = 40 <math>\frac{18 \times 2}{20 \times 2} = \frac{36}{40}</math><br/> <math>\frac{8 \times 4}{10 \times 4} = \frac{32}{40}</math></p> <p>Descending order: <math>\frac{18}{20} &gt; \frac{8}{10} &gt; \frac{30}{40}</math></p>                                                                                                                       | <p><math>1\frac{1}{2}</math> M</p> <p>1M</p> <p><math>\frac{1}{2}</math> M</p> |
| <b>Section D: (Case study)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                |
| 19.                            | <p>A school has 270 students and the students were asked to join any of the 3 clubs of their choice- Music club, Drama Club, and the Art Club. Later 120 students joined the Art club, 90 students joined the Music club and the</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                |

|  |                                                                                                                                                                                         |    |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|  | remaining students joined the Drama Club. Based on the above information, answer the following questions:                                                                               | 2M |
|  | <p>a) What fraction of the total number of students joined the Art club and music club together?</p> <p><b>Ans:</b> <math>\frac{120+90}{270} = \frac{210}{270} = \frac{7}{9}</math></p> |    |
|  | <p>b) Find the number of students who joined the Drama club.</p> <p><b>Ans:</b> <math>270 - 210 = 60</math></p>                                                                         | 1M |
|  | <p>c) Which club is the most preferred among all the three clubs?</p> <p><b>Ans:</b> Art Club</p>                                                                                       | 1M |

*All the Best*