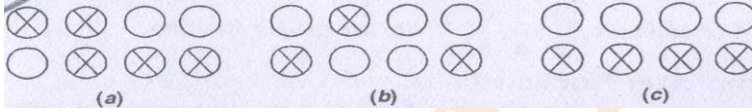


Class: 6
Subject: Mathematics
Topic: Fractions
No. of Questions: 30

- Q1. What fraction of a day is 8 hours?
- Q2. Araya, Abhimanyu, and Vivek shared lunch. Araya brought two sandwiches, one made of vegetable and one of jam. The other two boys forgot to bring their lunch. Araya agreed to share his sandwiches so that each person will have an equal share of each sandwich.
- (i) How can Araya divide his sandwiches so that each person has an equal share?
(ii) What part of sandwiches will each boy receive?
- Q3. Write the natural numbers from 2 to 12. What fraction of them are prime numbers?
- Q4. What fraction of these circles have X's in them?
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- Q5. Dinesh, Sumit, Ram, Joy, Marashal, Imaran, Jayant, Kabir, Anshul and Rohan decide to play basketball. The first five boys are in the first team and the rest are in the second team. What fraction of the boys is in the first team?
- Q6. Express the following as mixed fractions:
- (i) $\frac{21}{4}$
(ii) $\frac{16}{3}$
- Q7. Express the following mixed fractions as improper fractions:
- (i) $3\frac{3}{4}$
(ii) $7\frac{3}{5}$
- Q8. Show $\frac{3}{5}$ on a number line.

Q9. Fraction is given. How will you decide, by just looking at it, whether, the fraction is

- (i) Less than 1?
- (ii) Equal to 1?

Q10 Find the equivalent fraction of $\frac{3}{5}$ with numerator 6.

Q11. Are $\frac{1}{3}$ and $\frac{2}{7}$ equivalent? Give reason.

Q12. Are $\frac{2}{9}$ and $\frac{6}{27}$ equivalent? Give reason.

Q13. Find five equivalent fractions each of :

(i) $\frac{5}{9}$

Q14. Replace in each of the following by the correct number:

(i) $\frac{2}{7} = \frac{8}{\quad}$

(ii) $\frac{5}{8} = \frac{10}{\quad}$

(iii) $\frac{3}{5} = \frac{\quad}{20}$

(iv) $\frac{45}{60} = \frac{15}{\quad}$

(v) $\frac{18}{24} = \frac{\quad}{4}$

Q15. Find the equivalent fractions of $\frac{3}{5}$ having

- (i) Denominator 20
- (ii) Numerator 9
- (iii) Denominator 30
- (iv) Numerator 27

Q16. Reduce the following fraction to simplest form:

(i) $\frac{48}{60}$

(ii) $\frac{150}{60}$

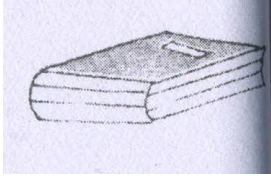
(iii) $\frac{84}{98}$

(iv) $\frac{12}{52}$

(v) $\frac{7}{12}$

- Q17. Ramesh had 20 pencils, Sheelu had 50 pencils and Jamaal had 80 pencils. After 4 months, Ramesh used up 10 pencils, sheelu used up 25 pencils and Jamaal used up 40 pencils. What fraction did each use up? Check if each has used up an equal fraction of their pencils?
- Q18. You get one-fifth of a bottle of juice and your sister gets one third of a bottle of juice. Who gets more?
- Q19. Write these in ascending and also in descending order.
(i) $\frac{1}{7}, \frac{3}{7}, \frac{13}{7}, \frac{11}{7}, \frac{7}{7}$
- Q20. Find answers to the following. Write and indicate how you solved them.
(i) Is $\frac{5}{9}$ equal to $\frac{4}{5}$?
(ii) Is $\frac{1}{15}$ equal to $\frac{4}{30}$?
- Q21. Ila read 25 pages of a book containing 100 pages. Lalita read $\frac{2}{5}$ of the same book. Who read less?
- Q22. Kamlesh bought $3\frac{1}{2}$ kg sugar whereas Anwar bought $2\frac{1}{2}$ kg of sugar. Find the total amount of sugar bought by both of them.
- Q23. My mother divided an apple into 4 equal parts. She gave me 2 parts and my brother one part. How much apple did she give to both of us together?
- Q24. Sohan was making a table. He made $\frac{1}{4}$ th of the table by Monday. He made another $\frac{1}{4}$ th on Tuesday and the remaining on Wednesday. What fraction of the table was made on Wednesday?
- Q25. Javed was given $\frac{5}{7}$ of a basket of oranges. What fraction of oranges was left in the basket?
- Q26. Add $\frac{2}{5}$ and $\frac{3}{7}$.

- Q27. Sarita bought $\frac{2}{5}$ metre of ribbon and Lalita $\frac{3}{4}$ metre of ribbon. What was the total length of the ribbon they bought?
- Q28. A piece of wire $\frac{7}{8}$ metre long broke into two pieces. One piece was $\frac{1}{4}$ metre long. How long is the other piece?
- Q29. Asha and Samuel have bookshelves of the same size partly filled with book. Asha's shelf is $\frac{5}{6}$ full of books and Samuel's shelf is $\frac{2}{5}$ full. Whose bookshelf is more full? By what fraction?



- Q30 Solve:
(i) $3\frac{2}{3} - 1\frac{2}{3}$