

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2024-25

CLASS: VI SUBJECT: MATHEMATICS DATE: 10-12-2024

LESSON: 07 FRACTIONS

- Arjun had 12 questions to do for his homework. He finished 7 of them. What fraction of the homework questions did he finish?
- What fraction of a minute is 23 seconds?
- What fraction of a dozen is 5?
- Write natural numbers from 2 to 20. What fractions of them are composite numbers?
- There are 20 books in a rack. 11 are novels and the remaining are short stories. Write the fraction of short stories.
- Represent the given fractions on a number line:
 - $\frac{4}{10}$
 - $\frac{3}{5}$
- Express the following as mixed fractions:
 - $\frac{15}{4}$
 - $\frac{50}{11}$
 - $\frac{19}{7}$
- Express the following as improper fractions:
 - $6\frac{1}{4}$
 - $15\frac{3}{5}$
 - $11\frac{1}{2}$
- Reduce the fractions into the simplest form:
 - $\frac{63}{90}$
 - $\frac{36}{180}$
 - $\frac{27}{144}$
- Find the equivalent fraction of $\frac{24}{72}$ with
 - Numerator = 12
 - Denominator = 6
 - Numerator = 1
- Replace each of the following with the correct number
 - $\frac{4}{7} = \frac{16}{\quad}$
 - $\frac{11}{15} = \frac{\quad}{45}$
- Compare the following fractions (<, >, =)
 - $\frac{1}{7}$ $\frac{1}{4}$
 - $\frac{3}{5}$ $\frac{5}{6}$
 - $\frac{3}{5}$ $\frac{11}{20}$
- Solve the following:
 - $\frac{1}{8} + \frac{4}{11}$
 - $\frac{9}{14} + \frac{5}{14}$
 - $1 - \frac{3}{4}$
 - $3\frac{1}{7} + 4\frac{2}{7}$
 - $3\frac{1}{3} - 1\frac{1}{2}$
 - $\frac{13}{15} - \frac{3}{4}$
- Jasleen and her sister have 60 books to cover. Jasleen covered $\frac{1}{5}$ of the books, while her sister covered $\frac{2}{5}$ of the books. What fractions of books did they cover together?

15. Arun ate $\frac{2}{5}$ of a pizza, Shruti ate $\frac{1}{2}$ of the pizza, while Shweta ate the remaining part of the pizza, find the portion of the pizza that Shweta ate.

16. From a rope of length $\frac{17}{20}$ m, $\frac{2}{5}$ m of rope is cut. Find the length of the remaining piece of the rope

17. a) $\frac{3}{5} + \dots = \frac{2}{3}$

b) $\frac{1}{2} - \dots = \frac{1}{5}$

Answers:

1. $\frac{7}{12}$

2. $\frac{23}{60}$

3. $\frac{5}{12}$

4. $\frac{11}{19}$

5. $\frac{9}{20}$

7. a) $3\frac{3}{4}$

b) $4\frac{6}{11}$

c) $2\frac{5}{7}$

8. a) $\frac{25}{4}$

b) $\frac{78}{5}$

c) $\frac{23}{2}$

9. a) $\frac{7}{10}$

b) $\frac{1}{5}$

c) $\frac{3}{16}$

10. a) $\frac{12}{36}$

b) $\frac{2}{6}$

c) $\frac{1}{3}$

11. a) 28

b) 33

12. a) <

b) <

c) >

13. a) $\frac{43}{88}$

b) 1

c) $\frac{1}{4}$

d) $7\frac{3}{7}$

e) $1\frac{5}{6}$

f) $\frac{7}{60}$

14. $\frac{3}{5}$

15. $\frac{1}{10}$

16. $\frac{9}{20}$ m

17. a) $\frac{1}{15}$

b) $\frac{3}{10}$
