# Worksheet Fractions

Question 1: Divide each collection into two equal parts by dotted lines:



Question 2: In each of the following write the fraction representing the shaded portion:





= <u>1/3</u>

## Question 3: Write the fraction whose

- Numerator is 7 and denominator is 15.
- Numerator is 22 and denominator is 35.

Answer :

•7/15 •22/35

Question 4: Divide each collection into suitable number of equal parts and fill in the blanks:



Question 5: Draw a collection of objects. Divide the collection into suitable number of equal parts and find:

**Answer** : 1/3 of 9 = 3



**Answer** : 3/7 of 14 = 6

**Answer** : 4/9 of 18 = 8

Question 6: Write the next three equivalent fractions of each of the following

1/4, 2/8, 4/16, 8/32
2/3, 4/6, 8/12, 16/24
5/9, 10/18, 20/36, 40/72
4/7, 8/14, 16/28, 32/56

Question 7: Fill in the missing numerators to make the statement true:



#### Question 8: Find an equivalent fraction of 3/4 with:

- Equivalent fraction of 3/4 with numerator 15:  $(3/4) \times (5/5) = 15/20$ .
- Equivalent fraction of 3/4 with denominator 48:  $(3/4) \times (12/12) = 36/48$ .
- Equivalent fraction of 3/4 with denominator 24:  $(3/4) \times (6/6) = 18/24$ .

#### Question 9: Fill in the missing denominators to make the statement true:

5 _	15		
7 -	21		
4	28		
9	63		
3_	24		
5	40		

Question 10: Check whether the given fractions are equivalent:

- •3/15, 1/5 3/15 in the simplest form is 1/5, thus equivalent.
- •2/11, 6/21 6/21 in the simplest form is 2/7, thus not equivalent.
- •4/9, 8/18 8/18 in the simplest form is 4/9, thus equivalent.

### Question 11: State whether the fraction is in its lowest terms or not:

- •12/20 NO The simplest form of 12/20 is 3/5.
- •4/6 NO The simplest form of 4/6 is 2/3.

•80/81 - YES The simplest form of 80/81 is 80/81 itself.

Question 12: Reduce to the lowest terms :

•21/28 The simplest form of 21/28 is 3/4.

•**45/60** The simplest form of 45/60 is 3/4.

•36/54 The simplest form of 36/54 is 2/3.

Question 13: Encircle the fraction which is in its lowest terms:



Question 14: Fill in the blanks by putting > or < in each of the following to make the statement true:

•	15	>	12
	19		19
•	3	<	7
	20		20
•	21	>	19
	22		22

Question 15: Which is smaller in each of the following pairs of fractions?

•3/16, 21/32 We need to make the denominator equal first, 3/16 x 2/2 = 6/32 6/32 < 21/32

•18/25, 2/5

We need to make the denominator equal first,  $2/5 \ge 5/5 = 10/25$ 

18/25 > 10/25

•8/21,7/20

We need to make the denominator equal first, LCM = 420  $8/21 \times 20/20 = 160/420$  $7/20 \times 21/21 = 147/420$ 

Question 16: Using the figures, fill in the blanks:



Question 17: Find the sum:

•1/8 + 2/8 + 3/8 = **6/8** •1/13 + 3/13 + 8/13 = **12/13** •9/35 + 2/35 + 11/35 = **22/35** 

Question 18: Which of the following is a set of like fractions?

$$\frac{1}{7}, \frac{5}{7}, \frac{3}{7}, \frac{11}{7}$$
$$\frac{2}{15}, \frac{4}{15}, \frac{11}{15}, \frac{7}{15}$$

•Both are like fractions as the denominator in both sets is the same.

Question 19: Write the fractions whose numerator is 6 and denominator is 19.

**Answer :** 6/19

**Question 20:** 

$$\frac{1}{7} + \frac{2}{7} + \frac{4}{7} = \frac{1+2+4}{7} = \frac{1}{7}$$