Class: 5
Subject: Mathematics
Chapter: Fraction

(Answer Key)

A.

	Multiply Numerator and Denominator by			
	2	3	5	6
1/2	2/4	3/6	5/10	6/12
1/3	2/6	3/9	5/15	6/18
2/3	4/6	6/9	10/15	12/18
2/5	4/10	6/15	10/25	12/30

B.

1. 3/12: divide the numerator and denominator by a common factor 3, you get 1/4, therefore 1/4 is your answer.

2. 1/5 Ans. (common factor is 8)
3. 3/5 Ans. (common factor is 5)
4. 2/3 Ans. (common factor is 7)
5. 1/2 Ans. (common factor is 11)

C.

1. 3/7 < 5/7 (since the denominators are the same we just compare the numerators.
2. 6/7 > 6/11 (since the numerators are the same the fraction with the smaller denominator would be greater)
3. 2/3 > 2/4
4. 11/15 > 3/15
5. 8/3 > 2/3
6. 4/9 < 5/8 (find the LCM of 9 and 8 which is 72, then 4/9 x 8/8 = 32/72, and 5/8 x 9/8 = 40/72, since 32 < 40, therefore 4/9 is lesser than 5/8)

D.

1. 2/3, 3/4, 5/6, 7/8
2. 5/16, 3/8, 6/12, 4/6

E.

1. 5/6, 3/4, 2/3, 1/5
2. 11/14, 9/14, 13/28, 2/7

F.

1. 2/3
2. 5/6
3. 13/10
4. 8

G.

1. 1/2
2. 1/8
3. 9/4
4. 9/8

H.

1. 9/2
2. 28/5
3. 9
4. 8/3

I.

1. 5/2
2. 7/4
3. 2/1 or 2
4. 7/6

J.

1. 14
2. 9
3. 54/5
4. 4

K.

1. Red boxes 3/8 + 4/8 green boxes = 7/8 fraction of coloured boxes.

2. First convert mixed numbers to improper fractions $3\frac{2}{3}$ m = 11/3 m ; $5\frac{1}{2}$ m = 11/2
Next convert the unlike fractions to like fractions using the LCM method
11/2 = 11/2 x 3/3 = 33/6 ; 11/3 = 11/3 x 3/3 = 22/6
Subtract the fractions and convert the difference to a mixed number 33/6 - 22/6 = 11/6 or $1\frac{5}{6}$

3. No. Of children 12
Amount of milk given to each child is 1/4 L
Therefore total amount of milk required = 12 x 1/4 L = 3 L