

# Answers

## Theme 3: Why Are We Different?

### Lesson-4: Fractions

#### Main Coursebook

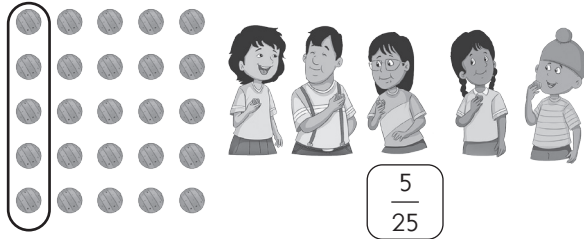
#### Kinaesthetic

Accept all the relevant responses.

#### Auditory

$$\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$$

#### Pictorial



#### Interacting better

Accept all the relevant responses

#### Understanding better (page no - 46)

- no
- yes
- b. 1      c. 6      d. 2
  - a, c, d
  - a.  $\frac{5}{6}$       b.  $\frac{1}{3}$       c.  $\frac{8}{5}$       d.  $\frac{11}{13}$
    - e.  $\frac{28}{65}$
    - a.  $\frac{2}{7}$       b.  $\frac{3}{5}$       c.  $\frac{1}{3}$       d.  $\frac{5}{2}$       e.  $\frac{2}{5}$
      - a. <      b. >      c. <      d. <
      - a.  $\frac{4}{15} < \frac{4}{13} < \frac{4}{11} < \frac{4}{9}$       b.  $\frac{1}{2} < \frac{6}{11} < \frac{2}{3} < \frac{4}{5}$
        - c.  $\frac{6}{10} < \frac{4}{6} < \frac{4}{5} < \frac{6}{7}$
        - a.  $\frac{8}{5} < \frac{8}{7} < \frac{8}{10} < \frac{8}{11}$       b.  $\frac{5}{4} < \frac{6}{5} < \frac{12}{20} < \frac{1}{2}$
          - c.  $\frac{14}{14} < \frac{11}{14} < \frac{17}{28} < \frac{4}{7}$

#### Understanding better (page no - 49)

- $\frac{5}{6}, \frac{4}{6}$
  - $\frac{3}{12}, \frac{4}{12}$
- a.  $\frac{11}{9}$       b.  $\frac{67}{40}$       c.  $\frac{83}{12}$       d.  $\frac{91}{18}$

$$9. \text{ a. } \frac{9}{10} \text{ km} \quad \text{b. } \frac{18}{20} \text{ km} \quad \text{c. } \frac{239}{54} \text{ km}$$

$$10. \text{ a. } \frac{11}{19} \quad \text{b. } \frac{1}{42} \quad \text{c. } \frac{7}{3} \quad \text{d. } 8\left(\frac{74}{80}\right)$$

$$11. \text{ a. } \frac{4}{35} \quad \text{b. } 14\left(\frac{1}{4}\right) \quad \text{c. } 66$$

#### Understanding better (page no - 52)

$$1. \frac{7}{4} \quad 2. \frac{22}{7}$$

$$12. \text{ a. } \frac{2}{3} \quad \text{b. } \frac{3}{2} \quad \text{c. } \frac{7}{2} \quad \text{d. } \frac{1}{2} \quad \text{e. } \frac{72}{25}$$

$$13. \text{ a. } 20\left(\frac{4}{7}\right) \quad \text{b. } 630 \quad \text{c. } 8\left(\frac{3}{4}\right)$$

$$14. \text{ a. } \frac{1}{6} \quad \text{b. } \frac{5}{2} \quad \text{c. } \frac{8}{7} \quad \text{d. } \frac{10}{9} \quad \text{e. } \frac{31}{29}$$

$$15. \text{ a. } 20 \quad \text{b. } \frac{27}{32} \quad \text{c. } \frac{3}{35} \quad \text{d. } \frac{1}{4} \quad \text{e. } \frac{27}{4}$$

#### Understanding better (page no - 54)

$$1. \frac{1}{25} \quad 2. \frac{8}{9}$$

$$16. \text{ a. } 14 \quad \text{b. } 50 \quad \text{c. } 26$$

#### Solving better

$$1. \text{ a. } \frac{30}{45} \quad \text{b. } \frac{48}{72} \quad \text{c. } \frac{54}{81} \quad \text{d. } \frac{60}{90}$$

$$2. \text{ a. } 9\left(\frac{10}{63}\right) \quad \text{b. } 3\left(\frac{5}{12}\right) \quad \text{c. } \frac{1}{10} \quad \text{d. } 15\left(\frac{7}{12}\right)$$

#### Learning better

$$\text{A. } 1. \text{ d} \quad 2. \text{ b} \quad 3. \text{ a} \quad 4. \text{ c} \quad 5. \text{ a}$$

$$\text{B. } 1. \text{ c} \quad 2. \text{ d} \quad 3. \text{ a} \quad 4. \text{ e} \quad 5. \text{ b}$$

$$\text{C. } 1. \frac{3}{4} \quad 2. \frac{3}{4} \quad 3. \frac{14}{15} \quad 4. \frac{29}{48} \quad 5. \frac{609}{1000}$$

$$\text{D. } 1. < \quad 2. > \quad 3. > \quad 4. <$$

$$\text{E. } 1. \frac{7}{28} < \frac{7}{25} < \frac{7}{20} < \frac{7}{18} \quad 2. \frac{1}{3} < \frac{3}{6} < \frac{14}{24} < \frac{8}{12}$$

$$3. \frac{10}{20} < \frac{3}{5} < \frac{7}{10} < \frac{4}{5}$$

$$\text{F. } 1. \frac{52}{60} \quad 2. 4\frac{19}{35} \quad 3. \frac{10}{36} \quad 4. 1\frac{7}{25}$$

5. 14      6.  $\frac{1}{8}$       7.  $\frac{1}{12}$       8.  $\frac{44}{9}$

G. 1.  $7\left(\frac{6}{20}\right)$       2.  $\frac{1}{40}$       3. 68 m      4. 7

### Thinking better

Accept all the relevant responses.

### Choosing better

- Talk to them and ask if they want to play or talk

## Students' Worksheets

### Worksheet 1

A. 1.  $\frac{1}{7}$       2.  $\frac{5}{7}$       3.  $\frac{30}{50}$

4. Inverse      5. Unit

B. 1. 5, 3,  $\frac{2}{5}$       2. 6, 2,  $\frac{2}{6}$       3. 6, 3,  $\frac{3}{6}$

4. 3, 1,  $\frac{2}{6}$       5. 9, 4,  $\frac{4}{9}$

C. 1. >      2. >      3. <      4. <      5. >  
6. >

### Worksheet 2

a. 1. c      2. d      3. a      4. b      5. e

B. 1.  $\frac{6}{17}$       2.  $\frac{7}{15}$       3.  $\frac{8}{9}$       4.  $\frac{4}{5}$

5.  $\frac{56}{85}$       6.  $\frac{31}{42}$

C. 1.  $\frac{8}{24}, \frac{14}{42}, \frac{18}{54}, \frac{22}{66}, \frac{30}{90}$

2.  $\frac{20}{32}, \frac{35}{56}, \frac{45}{72}, \frac{55}{88}, \frac{75}{120}$

3.  $\frac{4}{28}, \frac{7}{49}, \frac{9}{63}, \frac{11}{77}, \frac{15}{105}$

4.  $\frac{16}{52}, \frac{28}{91}, \frac{36}{117}, \frac{44}{143}, \frac{60}{195}$

5.  $\frac{64}{36}, \frac{112}{63}, \frac{144}{81}, \frac{176}{99}, \frac{240}{135}$

### Worksheet 3

A. 1. b      2. a      3. e      4. d  
5. b

B. 1.  $\frac{48}{64}$       2.  $\frac{48}{84}$       3.  $\frac{48}{78}$       4.  $\frac{48}{21}$

5.  $\frac{48}{50}$       6.  $\frac{48}{69}$

C. 1.  $\frac{6}{3}$       2.  $\frac{8}{5}$       3.  $\frac{7}{1}$       4.  $\frac{9}{8}$       5.  $\frac{11}{10}$

## Book of Holistic Teaching

- A. 1. Fractions where the numerator is lesser than the denominator are called proper fractions.  
2. Fractions where the numerator is more than or equal to the denominator are called improper fractions.
- B. Two aquatic animals that breathe through their gills are fish and shrimp.
- C. The predominant landform in Saudi Arabia is the desert, particularly the Rub' al Khali or Empty Quarter, which is the largest continuous sand desert in the world.

## Book of Project Ideas

### Making better

Accept all the relevant responses.

# Answers

## Theme 3: Why Are We Different? Lesson-5: Decimal

### Main Coursebook

#### Kinaesthetic

Accept all the relevant responses.

#### Auditory

- 0.25.
- "Zero point two five"

#### Pictorial

doll - Rs. 154.50, 15450/100, five tenth

ball - Rs. 176.50, 17650/100, five tenth

pencil - Rs. 7.50, 750/100, five tenth

teddy bear - Rs. 802.50, 8050/100, five tenth

#### Interacting better

Accept all the relevant responses.

- a. 0.03                      b. 10.052
- a. 3.6, 3.7, 3.8            b. 15.11, 15.12, 15.13
- a. 0.5    b. 3.8    c. 3.67    d. 4.691  
e. 8.485

#### UNDERSTANDING BETTER (PAGE NO - 63)

- 0.099
- two
- a.  $\frac{38}{10}$     b.  $\frac{453}{100}$     c.  $\frac{7}{100}$     d.  $\frac{93402}{100}$   
e.  $\frac{1}{1000}$     f.  $\frac{88712}{1000}$
- a.  $5 + 0.4$ ;  $5 + \frac{4}{10}$   
b.  $60 + 7 + 0.9$ ;  $60 + 7 + \frac{9}{10}$   
c.  $50 + 1 + 0.6 + 0.02$ ;  $50 + 1 + \frac{6}{10} + \frac{2}{100}$   
d.  $300 + 20 + 1 + 0 + 0.07$ ;  
 $300 + 20 + 1 + 0 + \frac{7}{100}$   
e.  $2 + 0 + 0 + 0.005$ ;  $2 + 0 + 0 + \frac{5}{1000}$   
f.  $70 + 3 + 0.4 + 0.05 + 0$ ;  
 $70 + 3 + \frac{4}{10} + \frac{5}{100} + 0$
- a. 78.058    b. 67.03    c. 0.809
- a. 0.20, 0.200              b. 82.600, 82.6000  
c. 41.20, 41.200            d. 7.0, 7.00  
e. 68.1050, 68.10500

- a. 6.30; 6.16  
b. 7.530; 13.400; 313.086  
c. 5.900; 32.170; 80.045
- a. >    b. <    c. >    d. =

#### Understanding better (page no - 65)

- No
- 5.607
- a. 5.798                      b. 14.329                      c. 44.184  
d. 92.140
- a. 694.50
- a. 937.125                      b. 3.946                      c. 19.186  
d. 43.24
- 1.13 km
- a. 17                              b. 206.5                      c. 316.44  
d. 449.19                      e. 2,307.026
- 76.5 cm
- a. 10.82                              b. 14.47                              c. 336.63  
d. 377.52
- a. 6.515m                              b. 2.55 kg
- a. 27.4                              b. 873.9                              c. 4390
- a. 10                              b. 100                              c. 1000

#### Solving better

- a. 21                              b. 5.58                              c. 4.5724  
d. 0.1264
- a. 35.175                              b. 100                              c. 2.1375  
d. 1000

#### Learning better

- A. 1. b    2. a    3. b    4. a    5. b
- B. 1. 2450.0    2. 91.3    3. 100  
4. 0.014    5. 1.732    6. 41.250
- C. 1. 4.723, 2.320, 24.070, 56.200  
2. 91.880, 124.167, 935.120, 21.293  
3. 62.900, 430.350, 216.915, 122.330  
4. 1.047, 222.100, 58.220, 78.700
- D. 1. 132.018    2. 294.236    3. 5131.558
- E. 1. 160.135    2. 7.073    3. 369.244
- F. 1. 837.52    2. 134.406    3. 0.224  
4. 2.531    5. 1070    6. 66276.11

#### Thinking better

0.8	1.1	1.1
1.8	0.5	0.7
0.4	1.4	1.2

#### Choosing better

- Everyone is special in their own way and we all have different talents.

### Students' Worksheets

#### Worksheet 1

- A. 1.  $\frac{5}{18}, \frac{7}{18}$     2.  $\frac{3}{8}, \frac{5}{3}$     3.  $\frac{14}{20}, \frac{28}{40}$

4.  $80.00 + 4.54$ ,  $40.04 + 44.50$   
 5.  $543.61$

B.

1.	0.93	0.093	0.0093
2.	8.56	0.856	0.0856
3.	9.8717	0.9877	0.09877
4.	30.894	3.0894	0.30894
5.	6.2331	0.62331	0.06233

- C. 1. 0.046                      2. Zero point zero four six  
 3. 0.640                        4.  $0.640 - 0.046 = 0.594$

### Worksheet 2

- A. 1. T      2. T      3. T      4. F      5. F

B.

1.	99	990	9900
2.	315	3150	31500
3.	677.0	6770	67700
4.	9888.1	98810	988100
5.	7663.75	7663.75	76637.5

- C. 1. 3.90, 3.900                      2. 20.20, 20.200

3. 19.40, 19.400                      4. 45.30, 45.300  
 5. 364.20, 364.200

### Worksheet 3

- A. 1. 893.2      2. 4.5      3. 2      4. 436.7  
 5. 13

- B. 1. Sixty point three five

2.  $\frac{6035}{100}$       3. 18      4. 60.350      5. 0.35

- C. 1. 7.8                      2. 19.6                      3. 4.58  
 4. 9.243                      5. 14.89                      6. 25.073

### Book of Holistic Teaching

- A. thirst  
 cotyledons



- C. In Greenland, winter lasts for about 7 to 8 months, with cold temperatures and snow covering much of the island.

### Book of Project Ideas

#### Making better

- Accept all the relevant responses.