

Answers

Theme 3: Different Yet Alike Lesson-4: Fractions

Main Coursebook

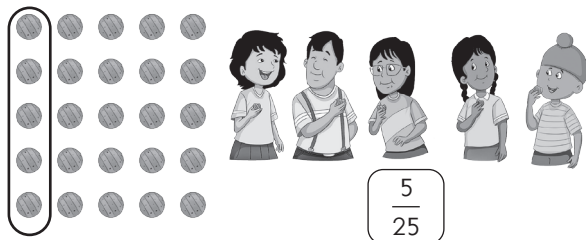
Kinaesthetic

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
- 1
 - 6
 - 2
- 1
 - c, d
- $\frac{5}{6}$
 - $\frac{1}{3}$
 - $\frac{8}{5}$
 - $\frac{11}{13}$
 - $\frac{28}{65}$
- $\frac{2}{7}$
 - $\frac{3}{5}$
 - $\frac{1}{3}$
 - $\frac{5}{2}$
 - $\frac{2}{5}$
- <
 - >
 - <
 - <
- $\frac{4}{15} < \frac{4}{13} < \frac{4}{11} < \frac{4}{9}$
 - $\frac{1}{2} < \frac{6}{11} < \frac{2}{3} < \frac{4}{5}$
 - $\frac{6}{10} < \frac{4}{6} < \frac{4}{5} < \frac{6}{7}$
- $\frac{8}{5} < \frac{8}{7} < \frac{8}{10} < \frac{8}{11}$
 - $\frac{5}{4} < \frac{6}{5} < \frac{12}{20} < \frac{1}{2}$
 - $\frac{14}{14} < \frac{11}{14} < \frac{17}{28} < \frac{4}{7}$

Understanding better (page no - 49)

- $\frac{5}{6}, \frac{4}{6}$
 - $\frac{3}{12}, \frac{4}{12}$
- $\frac{11}{9}$
 - $\frac{67}{40}$
 - $\frac{83}{12}$
 - $\frac{91}{18}$

- $\frac{9}{10}$ km
- $\frac{18}{20}$ km
- $\frac{239}{54}$ km

- $\frac{11}{19}$
 - $\frac{1}{42}$
 - $\frac{7}{3}$
 - $8\left(\frac{74}{80}\right)$

- $\frac{4}{35}$
 - $14\left(\frac{1}{4}\right)$
 - 66

Understanding better (page no - 52)

- $\frac{7}{4}$
 - $\frac{22}{7}$
- $\frac{2}{3}$
 - $\frac{3}{2}$
 - $\frac{7}{2}$
 - $\frac{1}{2}$
 - $\frac{72}{25}$
- $20\left(\frac{4}{7}\right)$
 - 630
 - $8\left(\frac{3}{4}\right)$
- $\frac{1}{6}$
 - $\frac{5}{2}$
 - $\frac{8}{7}$
 - $\frac{10}{9}$
 - $\frac{31}{29}$
- 20
 - $\frac{27}{32}$
 - $\frac{3}{35}$
 - $\frac{1}{4}$
 - $\frac{27}{4}$

Understanding better (page no - 54)

- $\frac{1}{25}$
 - $\frac{8}{9}$
- 14
 - 50
 - $\frac{52}{4}$

Solving better

- $\frac{30}{45}$
 - $\frac{48}{72}$
 - $\frac{54}{81}$
 - $\frac{60}{90}$
- $9\left(\frac{10}{63}\right)$
 - $3\left(\frac{5}{12}\right)$
 - $\frac{1}{10}$
 - $15\left(\frac{7}{12}\right)$

Learning better

- d
 - b
 - a
 - c
 - a
- c
 - d
 - a
 - e
 - b
- $\frac{3}{4}$
 - $\frac{3}{4}$
 - $\frac{14}{15}$
 - $\frac{29}{48}$
 - $\frac{609}{1000}$
- <
 - >
 - >
 - <
- $\frac{7}{28} < \frac{7}{25} < \frac{7}{20} < \frac{7}{18}$
 - $\frac{1}{3} < \frac{3}{6} < \frac{14}{24} < \frac{8}{12}$
 - $\frac{10}{20} < \frac{3}{5} < \frac{7}{10} < \frac{4}{5}$
- $\frac{52}{60}$
 - $4\frac{19}{35}$
 - $\frac{10}{36}$
 - $1\frac{7}{25}$

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

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.
- Two aquatic animals that breathe through their gills are fish and shrimp.
- 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

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

- 0.25.
- "Zero point two five"

Pictorial

doll - Rs. 154.50, 15450/100, four 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.

- 0.03
 - 10.052
- 3.6, 3.7, 3.8
 - 15.11, 15.12, 15.13
- 0.5
 - 3.8
 - 3.67
 - 4.691
 - 8.485

UNDERSTANDING BETTER (PAGE NO - 63)

- 0.099
- two

4. a. $\frac{38}{10}$ b. $\frac{453}{100}$ c. $\frac{7}{100}$ d. $\frac{93402}{100}$

e. $\frac{1}{1000}$ f. $\frac{88712}{1000}$

5. a. $5 + 0.4$; $5 + \frac{4}{10}$

b. $60 + 7 + 0.9$; $60 + 7 + \frac{9}{10}$

c. $50 + 1 + 0.6 + 0.02$; $50 + 1 + \frac{6}{10} + \frac{239}{100}$

d. $300 + 20 + 1 + 0 + 0.07$;
 $300 + 20 + 1 + 0 + \frac{7}{100}$

e. $2 + 0 + 0 + 0.005$; $2 + 0 + 0 + \frac{5}{1000}$

e. $70 + 3 + 0.4 + 0.05 + 0$;

$70 + 3 + \frac{4}{10} + \frac{5}{100} + 0$

- 78.058
 - 67.03
 - 0.809
- 0.20, 0.200
 - 82.600, 82.6000
 - 41.20, 41.200
 - 7.0, 7.00
 - 68.1050, 68.10500
- 6.30; 6.16
 - 7.530; 13.400; 313.086
 - 5.900; 32.170; 80.045

9. a. > b. < c. > d. =

Understanding better (page no - 65)

- No
- 5.607
- 5.798
 - 14.329
 - 44.184
 - 92.140
- 694.50
 - 3.946
 - 19.186
 - 43.24
- 1.13 km
- 17
 - 206.5
 - 316.44
 - 449.19
 - 2,307.026
- 10.82
 - 14.47
 - 336.63
 - 377.52
- Rs. 6.515
 - 2.55 kg
- 27.4
 - 873.9
 - 4390
- 10
 - 100
 - 1000

Solving better

- 21
 - 5.58
 - 4.5724
 - 0.1264
- 35.175
 - 100
 - 2.1375
 - 1000

Learning better

- b
 - a
 - b
 - a
 - b
- 2450.0
 - 91.3
 - 100
 - 0.014
 - 1.732
 - 41.250
- 4.723, 2.320, 24.070, 56.200
 - 91.880, 124.167, 935.120, 21.293
 - 62.900, 430.350, 216.915, 122.330
- 132.018
 - 294.236
 - 5131.558
- 160.135
 - 7.073
 - 369.244
- 837.52
 - 134.406
 - 0.224
 - 2.531
 - 1070
 - 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

- $\frac{5}{18}, \frac{7}{18}$
 - $\frac{3}{8}, \frac{5}{3}$
 - $\frac{14}{20}, \frac{28}{40}$
- 80.00 + 4.54, 40.04 + 44.50
 - 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

B.



- 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.