



I am a doer: Printing press

I am an all-rounder

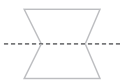


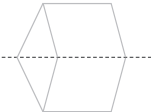

- A. **English:** Accept all relevant responses.
- B. **Science:** Do it yourself
- C. **Social Studies:** Accept all relevant responses.

### Students' Worksheets



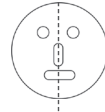


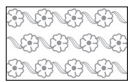

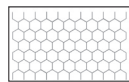
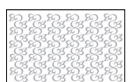
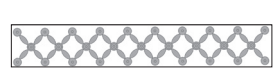
#### Worksheet 1

- A. 1. 192, 384                      2. 2
- 3. 4                                      4. mirror image
- 5. line of symmetry
- B. 1. Y      2. Y      3. N      4. N      5. Y
- C. Do it yourself




#### Worksheet 2

- A. 1. false                      2. true                      3. true
- 4. true                          5. true
- B. 1.       2.       3. 
- 4.       5. 
- C. 1. 29, 32                      2. 140, 150                      3. 54, 45
- 4. ZYY, ZY                      5. IJ55, KL66

#### Worksheet 3

- A. 1. many                      2. 0                          3. 2
- 4. 1                                  5. 2
- B. 1.       2.       3. 
- 4.       5. 
- C. 1.       2.       3. 
- 4.       5. 

#### Worksheet 4




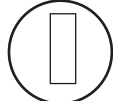




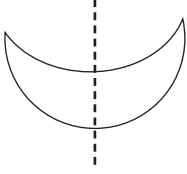
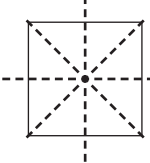
- A. 1. Accept all relevant responses.
- 2. Accept all relevant responses.
- 3. Rectangle                      4. 8
- 5. Circle
- B. a.       2.       3. 




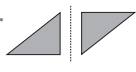

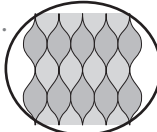
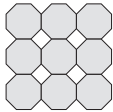
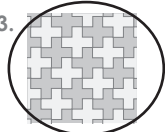
C. Do it yourself

### Teacher's Worksheets

#### Worksheet 1

- A.                   
-                   
- B.       
- C. 1. EXCELLENT                      2. SAVE OUR PLANET
- 3. HAPPY BIRTHDAY

#### Worksheet 2

- A. 1.       2.       3. 
- B. 1. ✓                                  2. ✗                                  3. ✓                                  4. ✓
- C. 1. 2                                  2. 4                                  3. 3                                  4. 6
- D. 1.       2.       3. 
- E. 1. E5, F6, G7                      2. 24, 29, 34                      3. 15, 12, 9
- 4. EV, FU, GT                      5. 52, 62, 72

### Theme 5: Our Universe Ch-7: Multiples and Factors

#### Main Coursebook

Icebreaker:  
1 × 12;                                  4 × 3

Icebreaker:

Rows	Columns
1	18
2	9
3	6
6	3
18	1
9	2

In-text Questions:  
1. No                                  2. Yes                                  3. No                                  4. Yes

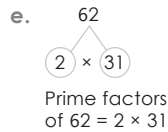
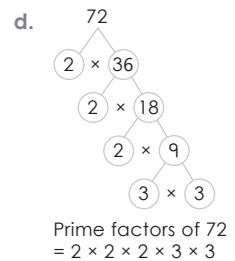
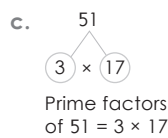
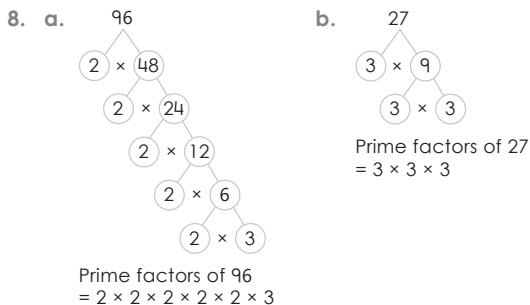
1. a. 10, 20, 30, 40, 50    b. 12, 24, 36, 48, 60  
    c. 14, 28, 42, 56, 70    d. 15, 30, 45, 60, 75  
    e. 20, 40, 60, 80, 100    f. 25, 50, 75, 100, 125
2. a. 4, 8, 12    b. 6, 12, 18    c. 6, 12, 18
3. a. 12 and 24    b. 10 and 20  
    c. 12 and 24    d. 8 and 16  
    e. 30 and 60

**In-text Questions:**

1. Yes                    2. Yes                    3. Yes
4. a. 1, 2, 3, 6, 9, 18    b. 1, 3, 7, 21  
    c. 1, 3, 9, 27            d. 1, 2, 3, 5, 6, 10, 15, 30  
    e. 1, 2, 5, 10, 25, 50
5. a. Yes                b. Yes                c. No  
    d. Yes                e. Yes
6. a. The factors of 3 are: 1, 3  
    The factors of 4 are: 1, 2, 4  
    The common factor is: 1  
    b. The factors of 5 are: 1, 5  
    The factors of 6 are: 1, 2, 3, 6  
    The common factor is: 1  
    c. The factors of 6 are: 1, 2, 3, 6  
    The factors of 8 are: 1, 2, 4, 8  
    The common factors are: 1, 2  
    d. The factors of 8 are: 1, 2, 4, 8  
    The factors of 10 are: 1, 2, 5, 10  
    The common factors are: 1, 2  
    e. The factors of 12 are: 1, 2, 3, 4, 6, 12  
    The factors of 15 are: 1, 3, 5, 15  
    The common factors are: 1, 3  
    f. The factors of 30 are: 1, 2, 3, 5, 6, 10, 15, 30  
    The factors of 45 are: 1, 3, 5, 9, 15, 45  
    The common factors are: 1, 3, 5, 15  
    g. The factors of 21 are: 1, 3, 7, 21  
    The factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24  
    The common factors are: 1, 3  
    h. The factors of 28 are: 1, 2, 4, 7, 14, 28  
    The factors of 35 are: 1, 5, 7, 35  
    The common factors are: 1, 7
7. a. 15    b. 6    c. 20    d. 18

**In-text Questions:**

1. Composite    2. Composite    3. 4



9. a. 

2	72
2	36
2	18
3	9
3	3
	1

 b. 

2	96
2	48
2	24
2	12
2	6
3	3
	1

 c. 

2	56
2	28
2	14
7	7
	1

d. 

2	78
3	39
13	13
	1

 e. 

2	90
3	45
3	15
5	5
	1

10.

	Number	2	3	5	10
a.	72	✓	✓	✗	✗
b.	36	✓	✓	✗	✗
c.	75	✗	✓	✓	✗

**Mental Maths:**

1. a. 12, 7520                    b. 36, 45, 651  
    c. 415, 540, 1245            d. 220, 710, 1870
2. a. 9                    b. 8                    c. 8

**I am a learner:**

- A. 1. a    2. a    3. c    4. c    5. c
- B. 1. 1                    2. number itself  
    3. two                    4. 28                    5. 2, 5 and 10
- C. 1. 1, 3 and 13            2. 1, 7, 11 and 77  
    3. 1 and 3                    4. 1, 7 and 14  
    5. 1 and 5
- D. 1. 6, 12, 18, 24, 30    2. Litchis    3. 30

**I am a thinker:**

1, 2, 3 and 5

**I am an all-rounder:**

- A. **English:** He, him, we
- B. **Science:** 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
- C. **Social Studies:** 1, 2, 4, 8, 13, 26, 52 and 104

I am a project whiz: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89 and 97.

## Students' Worksheets

### Worksheet 1

- A. 1. false      2. true      3. false  
4. false      5. true
- B. 1. yes      2. no      3. yes      4. yes      5. no
- C. 1. d      2. c      3. e      4. a      5. b

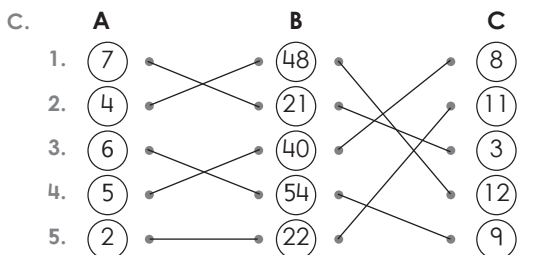
### Worksheet 2

- A. 1. true      2. true      3. false  
4. false      5. false
- B. 1. yes      2. yes      3. no      4. no      5. yes
- C. 1. e      2. a      3. d      4. c      5. b

### Worksheet 3

- A. 1. 1 and itself      2. multiples  
3. itself      4. equal or smaller  
5. multiple

- B. 1. c      2. b      3. a      4. c      5. c



### Worksheet 4

- A. 1. true      2. true      3. true  
4. true      5. false
- B. 1. 13      2. 45      3. factors  
4. 72      5. 7 and 8
- C. 1. 2      2. 3      3. 9  
4. 47      5. 97

## Teacher's Worksheets

### Worksheet 1

- A. 1. 19, 38, 57      2. 8, 16, 24  
3. 13, 26, 39      4. 21, 42, 63  
5. 36, 72, 108      6. 56, 112, 168
- B. 1. T      2. F      3. F      4. T

### Worksheet 2

- A. 1. b      2. c
- B. 1. 60      2. 108      3. 30      4. 143

## Theme 5: Our Universe

### Ch – 8: Fractions

## Main Coursebook

### I am ready:

a.  $\frac{1}{3} + \frac{2}{3} = \frac{3}{3}$

b.  $\frac{5}{6} + \frac{1}{6} = \frac{6}{6}$

c.  $\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$

### Icebreaker: $3\frac{1}{2}$

1. a. 5      b. 10      c. 7      d. 8

2.

Proper fractions	Improper fractions	Mixed fractions
$\frac{3}{8}$ $\frac{6}{17}$	$\frac{15}{14}$ $\frac{9}{7}$ $\frac{11}{9}$	$4\frac{1}{8}$ $2\frac{3}{4}$
	$\frac{5}{2}$ $\frac{10}{4}$	$9\frac{1}{2}$

3. a.  $2\frac{2}{3}$       b.  $2\frac{1}{8}$       c.  $7\frac{1}{3}$       d.  $6\frac{1}{4}$

e.  $6\frac{5}{6}$       f.  $6\frac{3}{5}$

4. a.  $\frac{38}{9}$       b.  $\frac{34}{3}$       c.  $\frac{27}{5}$       d.  $\frac{34}{5}$

e.  $\frac{15}{2}$       f.  $\frac{9}{1}$

5. b. 1      c. 6

6. a.  $\frac{6}{8}$ ,  $\frac{9}{12}$ ,  $\frac{12}{16}$       b.  $\frac{10}{12}$ ,  $\frac{15}{18}$ ,  $\frac{20}{24}$

c.  $\frac{12}{14}$ ,  $\frac{18}{21}$ ,  $\frac{24}{28}$       d.  $\frac{9}{15}$ ,  $\frac{6}{10}$ ,  $\frac{3}{5}$

e.  $\frac{18}{20}$ ,  $\frac{27}{30}$ ,  $\frac{36}{40}$       f.  $\frac{4}{18}$ ,  $\frac{6}{27}$ ,  $\frac{8}{36}$

7. a.  $\frac{44}{45}$       b.  $\frac{1}{6}$       c.  $\frac{8}{9}$       d.  $\frac{1}{3}$

e.  $\frac{3}{5}$       f.  $\frac{8}{5}$

8. a.  $\frac{5}{7}$       b.  $\frac{8}{18}$       c.  $\frac{2}{5}$

9. a.  $\frac{14}{21}$  and  $\frac{15}{21}$       b.  $\frac{40}{25}$  and  $\frac{2}{25}$

c.  $\frac{16}{56}$  and  $\frac{28}{56}$       d.  $\frac{3}{14}$  and  $\frac{2}{14}$

10. a. >      b. <      c. >      d. =
11. a.  $\frac{3}{12} < \frac{5}{12} < \frac{7}{12}$       b.  $\frac{1}{25} < \frac{8}{25} < \frac{11}{25}$   
 c.  $\frac{9}{47} < \frac{11}{47} < \frac{22}{47}$       d.  $\frac{2}{17} < \frac{5}{17} < \frac{11}{17}$
12. a.  $\frac{7}{10} > \frac{3}{10} > \frac{1}{10}$       b.  $\frac{11}{21} > \frac{9}{21} > \frac{5}{21}$   
 c.  $\frac{17}{20} > \frac{11}{20} > \frac{7}{20}$       d.  $\frac{9}{14} > \frac{5}{14} > \frac{3}{14}$
13. a.  $\frac{8}{14}$       b.  $\frac{21}{23}$       c.  $\frac{28}{8}$       d.  $\frac{28}{5}$
14. a.  $\frac{1}{4}$       b.  $\frac{5}{32}$       c.  $\frac{10}{4}$       d.  $\frac{16}{9}$

#### In-text Questions:

1. no      2. yes
15. a.  $\frac{7}{8}$       b.  $\frac{6}{15}$       c.  $\frac{9}{9}$       d.  $\frac{8}{11}$
16. a. Jia      b.  $\frac{5}{11}$       c.  $\frac{2}{6}$

#### Mental Maths:

1. a. 4      b. 20      c. 3      d. 8  
 e. 1
2. a.  $\frac{21}{28}$       b.  $\frac{8}{16}$       c.  $\frac{9}{12}$       d.  $\frac{32}{37}$   
 e.  $\frac{10}{68}$

#### I am a learner:

- A. 1. c      2. a      3. d      4. a  
 5. d
- B. 1. 25      2. 12      3. 3      4. 70  
 5. 3      6. 36
- C. 1. <      2. <      3. <      4. =
- D. 1.  $\frac{1}{6}$       2.  $\frac{1}{2}$       3.  $\frac{3}{5}$       4.  $\frac{3}{4}$   
 5.  $\frac{6}{7}$
- E. 1.  $2\frac{1}{3}$       2.  $6\frac{1}{2}$       3.  $2\frac{6}{7}$       4.  $7\frac{1}{5}$   
 5.  $7\frac{2}{6}$
- F. 1.  $\frac{4}{13}$       2.  $\frac{2}{21}$       3.  $\frac{39}{3}$       4.  $\frac{5}{5}$   
 5.  $\frac{0}{9}$       6.  $\frac{22}{10}$

- G. 1.  $\frac{5}{25}$       2. 9 hours  
 3.  $\frac{2}{9}$       4.  $\frac{11}{12}$  kg

#### I am an all-rounder:

- A. **English** – Accept all the relevant responses.  
 B. **Science** – 27 moons  
 C. **Social Studies**  
 $\frac{2}{9}$  It is a proper fraction.

### Students' Worksheets

#### Worksheet 1

- A. 1. fraction      2. Four      3. improper  
 4. like      5. 5
- B. 1. false      2. true      3. false  
 4. true      5. true
- C. 1.  $\frac{1}{4}$       2.  $\frac{6}{8}$       3.  $\frac{3}{5}$   
 4.  $\frac{4}{5}$       5.  $\frac{4}{8}$

#### Worksheet 2

- A. 1. Denominator      2. less      3. mixed  
 4. unlike      5.  $\frac{10}{12}$
- B. 1. false      2. true      3. true  
 4. true      5. true
- C. Try yourself

#### Worksheet 3

- A. 1. A fraction in which the numerator is less than the denominator is called proper fraction.  
 2. A fraction in which the numerator is greater than or equal to the denominator is called improper fraction.  
 3. A combination of a whole number and a proper fraction is called a mixed fraction.  
 4. Fractions with same denominators are called like fractions.  
 5. Fractions with different denominators are called unlike fractions.
- B. 1.  $\frac{5}{23}$       2.  $\frac{22}{39}$       3.  $\frac{41}{32}$   
 4.  $\frac{13}{12}$       5.  $\frac{23}{23}$
- C. 1. <      2. <      3. =  
 4. >      5. <

## Worksheet 4

A. Accept all the relevant responses.

- B. 1. I                      2. P                      3. P  
 4. I                      5. P
- C. 1. <                      2. <                      3. <  
 4. <                      5. <

## Teacher's Worksheets

### Worksheet 1

- A. 1.  $\frac{1}{3}$                       2.  $\frac{4}{5}$                       3.  $\frac{3}{4}$   
 4.  $2\frac{6}{8}$                       5.  $5\frac{3}{4}$                       6.  $8\frac{1}{3}$
- B. 1. <                      2. >                      3. <  
 4. >                      5. >                      6. =  
 7. <                      8. <                      9. >
- C. 1.  $\frac{13}{11}$                       2.  $\frac{17}{15}$                       3.  $\frac{15}{21}$   
 4.  $\frac{14}{32}$                       5.  $\frac{1}{17}$                       6.  $\frac{5}{27}$

### Worksheet 2

- A. 1.  $\frac{41}{7}$                       2.  $\frac{8}{17}$                       3.  $\frac{62}{11}$   
 4.  $\frac{15}{27}$                       5.  $\frac{78}{8}$
- B. 1. 9                      2. 21                      3. 3                      4. 25

## Theme 6: India – Our Country

### Ch – 9: Decimals

## Main Coursebook

### I am ready

- a.  $\frac{20}{100}$                       b.  $\frac{52}{100}$                       c.  $\frac{28}{100}$   
 d.  $\frac{90}{100}$                       e.  $\frac{32}{100}$                       f.  $\frac{40}{100}$

### Icebreaker

$\frac{100}{10}$	$\frac{10}{100}$	$\frac{1000}{100}$	$\frac{100}{1000}$
------------------	------------------	--------------------	--------------------

1. a.  $\frac{9}{10} = 0.9$                       b.  $\frac{1}{10} = 0.1$   
 c.  $\frac{5}{10} = 0.5$
2. a. Eight hundredths  
 b. Eighty-nine and twenty-three hundredths  
 c. Two hundred sixteen and four tenths  
 d. Five hundred sixty-three and seven hundredths
3. a. 602.2                      b. 2006.84                      c. 376.020

4.

Decimal Number	Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths
a. 19.4		1	9	.	4		
b. 206.09	2	0	6	.	0	9	
c. 522.7	5	2	2	.	7		
d. 4.003			4	.	0	0	3
e. 30.528		3	0	.	5	2	8
f. 2.56			2	.	5	6	

5. a. 03.4                      b. 6.85                      c. 81.209

### In-text Question

1. No                      2.  $\frac{1}{1000}$                       3. 0.1
6. a. 0.4                      b. 0.02                      c. 0.57  
 d. 0.001                      e. 0.407

### In-text Question

1. Two hundred fifty-one point three eight  
 2. 6 tenths                      3. 0.09
7. a.  $\frac{709}{100}$                       b.  $\frac{5417}{100}$                       c.  $\frac{2949}{100}$   
 d.  $\frac{146}{10}$                       e.  $\frac{29}{10}$                       f.  $\frac{8005}{1000}$

### Mental Maths

1. a → v, b → iv, c → ii, d → i, e → iii  
 2. a. 0.056                      b. 9.34                      c. 108.5                      d. 7.0

### I am a learner

- A. 1. c                      2. a                      3. d                      4. b  
 5. b
- B. 1. false                      2. false                      3. true                      4. false  
 5. true
- C. 1. Nine and seven hundredths  
 2. Twenty and five tenths  
 3. Zero and thirty-six thousandths  
 4. Seventy-eight and twenty-three hundredths  
 5. Four hundred sixty-five and eight hundred twelve thousandths
- D. 1. 0.9                      2. 0.34                      3. 1.7
- E. 1. 0.4                      2. 0.25                      3. 0.032                      4. 5.25  
 5. 986.4
- F. 1.  $\frac{36}{10}$                       2.  $\frac{58}{10}$                       3.  $\frac{109}{100}$                       4.  $\frac{72}{10}$   
 5.  $\frac{8}{1000}$                       6.  $\frac{23}{10}$                       7.  $\frac{602}{100}$                       8.  $\frac{9005}{1000}$



10.  $\frac{3022}{10}$

11.  $\frac{3322}{100}$

12.  $\frac{3452}{1000}$

## Theme 6: India – Our Country

### Ch-10: Geometry

#### Main Coursebook

**I am ready:** Accept all the relevant responses.

**Icebreaker:** Accept all the relevant responses.

1. a. A, O, B, C, D      b.  $\overrightarrow{OA}, \overrightarrow{OB}$   
 c.  $\overrightarrow{BD}$                   d.  $\overline{DE}, \overline{OC}, \overline{OA}$




#### In-text Question

1. No                                  2. No                                  3. Yes

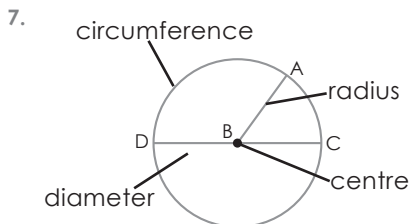
2. Try yourself  
 3. Try yourself

4. a. O                                  b. C                                  c. C  
 d. C                                  e. O                                  f. C  
 g. O                                  h. C                                  i. C

5. a.  b.  c. 

- d.  e.  f. 

6. Accept all the relevant responses.



8. Try yourself

9. a. circumference      b. diameter  
 c. diameter

#### Mental Maths

1. a. Triangle                          b. Quadrilateral  
 c. Octagon  
 2. Try yourself

#### I am a learner

- A. 1. d                                  2. b                                  3. d  
 4. d                                  5. a  
 B. 1 → c                                  2 → a                                  3 → e  
 4 → b                                  5 → d

- C. Try yourself

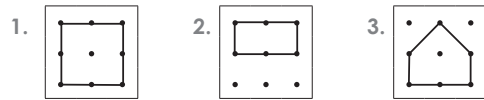
- D. Try yourself

- E. 1.  2.  3. 



- F. Accept all relevant responses.

Sample answers are:

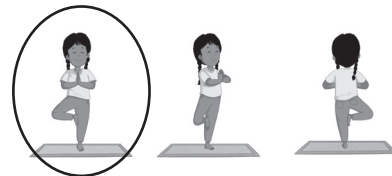


- G. 1. Centre: L  
 Radius: OL, LN, LM  
 Diameter: MN  
 2. Centre: O  
 Radius: OE, OD  
 Diameter: DE  
 3. Centre: Q  
 Radius: PQ, QR  
 Diameter: PR

**I am an artist:** Try yourself

**My Secret Journal:** Try yourself

**I am a doer:**



**I am an all-rounder**

- A. **English** – Accept all relevant responses.  
 Sample answer are: SMALL, LITTLE, SHORT  
 B. **Science** – Accept all the relevant responses.  
 Sample answer are: Marigold, Sunflower, Jasmine, Daisy, Periwinkle  
 C. **Social Studies** – line

**I am a project whiz:** Try yourself

#### Students' Worksheets

##### Worksheet 1

- A. 1. point                          2. line segment                          3. circle  
 4. hexagon                          5. circumference

B.

	Solid shapes	Faces	Edges	Corners
a.	Cone	2	1	1
b.	Cube	6	12	8
c.	Cuboid	6	12	8
d.	Cylinder	3	2	0
e.	Sphere	1	0	0



- C. 1. Line XY      2. Point P      3. Ray OD  
4. Line AB      5. Ray RS

**Worksheet 2**

- A. 1. ray      2. radii      3. quadrilateral  
4. corner      5. closed
- B. Do yourself
- C. 1. Sphere      2. Pentagon  
3. Circle      4. Cube or Cuboid  
5. Open curve

**Worksheet 3**

- A. 1. true      2. true      3. false  
4. false      5. true
- B. 1. Ray      2. Ray  
3. Line segment      4. Line segment  
5. Ray
- C. 1. O      2. C      3. O  
4. C      5. O

**Teacher's Worksheets**

**Worksheet 1**

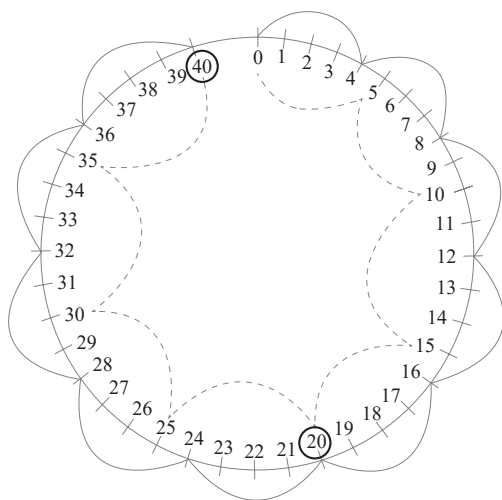
- A. ray    line segment    ray    line    ray  
ray    ray    line segment    line    line
- B. 3.8 — AB, BC, CD, DA, AE, EC, DE, EB

**Worksheet 2**

- A. 1. ray      2. line segment  
3. line
- B. Do yourself

**Enrichment Activities**

A.

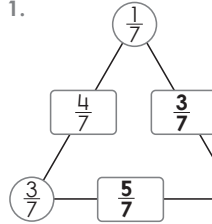


LCM = 20

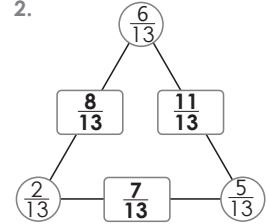
B.

Fraction of shaded part	$\frac{3}{4}$	$\frac{4}{7}$	$\frac{1}{5}$	$\frac{5}{8}$	$\frac{6}{6}$
Numerator	3	4	1	5	6
Denominator	4	7	5	8	6

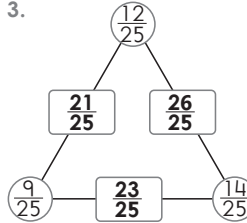
C. 1.



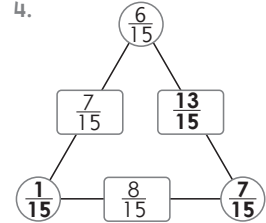
2.



3.



4.



D. Do it yourself.

**Revision Worksheet**

- A. 1. iii      2. i      3. ii  
4. i      5. ii
- B. 1. F      2. T      3. F  
4. T      5. T
- C. 1. Factors of 40: 1, 2, 4, 5, 8, 10, 20 and 40  
2. 96, 108, 120 and 132  
3. 216      4. 156      5.  $\frac{10}{19}$   
6.  $\frac{1}{3}$       7.  $\frac{7}{9}, \frac{5}{9}, \frac{4}{9}, \frac{1}{9}$
- D. 1. WELL DONE      2. GO GREEN  
3. SEE YOU TOMORROW
- E. 1. 13 25 16 1 18 5 14 20 19 1 18 5 13 25  
8 5 18 15 19  
2. 9 23 9 12 12 4 15 13 2 5 19 20  
3. 3 15 14 7 18 1 20 21 12 1 20 9 15 14 19  
4. 9 12 15 22 5 13 25 9 25 9 14 4 9 1
- F. 1. iv      2. iii      3. i  
4. ii