

Memorandum

Mathematics Grade 6 week 3

Unit 8 (continued)

Exercise 7 pg. 49

1. a. $2 \times 5 \times 2 = 20$

b. $5 \times 5 \times 2 = 50$

c. $7 \times 5 \times 2 = 70$

d. $9 \times 5 \times 2 = 90$

e. $11 \times 5 \times 2 = 110$

2. a. $2 \times 2 \times 5 = 20$

b. $2 \times 5 \times 5 = 50$

c. $2 \times 7 \times 5 = 70$

d. $9 \times 2 \times 5 = 90$

e. $2 \times 11 \times 5 = 110$

Exercise 8 pg. 50

1. a. 50

b. 150

c. 250

d. 7

e. 450

f. 11

2. a. 50

b. 150

c. 250

d. 7

e. 450

f. 11

3. a. 280

b. 480

c. 810

d. 420

e. 960

Exercise 9 pg. 50

1. a. 500

b. 1 500

c. 5

d. 4 000

e. 9

f. 5 500

2. a. 500

b. 1 500

c. 5

d. 4 000

e. 9

f. 5 500

3. a. 4 800

b. 5 600

c. 4 500

d. 6 300

e. 7 200

Exercise 10 pg. 51

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|-----------|--------|--------|--------|----------|
| 1. a. 25 | b. 3 | c. 100 | d. 8 | e. 250 |
| 2. a, 25 | b. 3 | c. 100 | d. 8 | e. 250 |
| 3. a. 300 | b. 400 | c. 500 | d. 600 | e. 1 000 |

Unit 11

Properties of 3D objects pgs. 63-68

Exercise 1 pg. 63

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|-------------------------------|---|
| 1. Cube; 6 faces; 12 edges | 2. Pyramid; 5 faces; 8 edges |
| 3. Cone; 2 faces; 1 edge | 4. Rectangular Prism; 6 faces; 12 edges |
| 5. Cylinder; 3 faces; 2 edges | 6. Triangular prism; 5 faces; 9 edges |

Exercise 2 pg. 65

- | | |
|-------------|-------------|
| 1. triangle | 2. 4 faces |
| 3. pentagon | 4. 6 faces |
| 5. octagon | 6. 9 faces |
| 7. hexagon | 8. 7 faces |
| 9. square | 10. 5 faces |

Exercise 3 pg. 66

Practical activity- constructing shapes using nets

DO NOT CUT OUT THE NET FROM YOUR TEXTBOOK – TRACE IT!

- a. The first net is of a tetrahedron. It has a triangle as a base and has 4 faces.
b. The second net is a square based pyramid. It has a square base and has 5 faces.

Exercise 4 pg. 67

Cube – c

Rectangular prism – d

Cone – e

Tetrahedron – a

Hexagonal prism – b

Exercise 6 pg.68

Answer:

Shape/Object	Name	Number of faces	Shape of faces	Number of angles for 2-D or vertices for 3-D	Number of edges
	Parallelogram			4	4
	Octagon			8	8
	Rectangular prism	6	4 rectangles and 2 squares	8	12
	Triangle			3	3
	Cube	6	square	8	12
	Square			4	4
	Pyramid	5	Square base and triangular faces	5	8
	Cone	2	Circular base and a triangular, conical face	1	2
	Pentagon			5	5
	Tetrahedron	4	triangular	4	6