7.GM.1 Quiz 1

Std: 7.GM.1

1. A container is a rectangular prism with the measurements of 25 cm in length, 15 cm in width and 10 cm in heigth. Find the surface area of the container.

A $750cm^2$

B $1250cm^2$

C $1550cm^2$

D $3750cm^2$

Level 3

Std: 7.GM.1

2. A container is a rectangular prism with the measurements of 25 cm in length, 15 cm in width and 10 cm in heigth. Find the volume of the container.

A $750cm^3$

B $1250cm^3$

C $1550cm^3$

D $3750cm^3$

Level 3

Std: 7.GM.1

3. If a rectangular prism has a volume of 150 cubic inches, a length of 10 inches and a height of 3 inches. What is the width of rectangular prism?

A $5in$

B $10in$

C $15in$

D $50in$

Level 3

Std: 7.GM.1

4. Given the figure find the surface area.

2.5in
3.5in
5.5in

A $48.125in^2$

B $83.5in^2$

C $152.525in^2$

D $175.55in^2$

Level 3

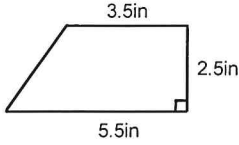5. Given the figure find the volume.

Std: 7.GM.1

2.5in
3.5in
5.5in

A $48.125in^3$

B $83.5in^3$

C $152.525in^3$

D $175.55in^3$

Level 3

7.GM.2 Quiz 1   Std: 7.GM.2

1. Given the figure find the area.
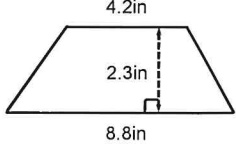
3.5in

2.5in

5.5in

A $11.25in^2$

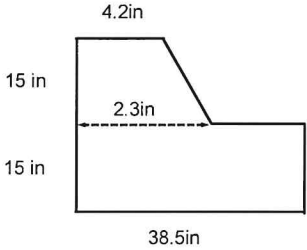B $13.75in^2$

C $19.25in^2$

D $48.125in^2$

Level 3

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2. Given the figure find the area.   Std: 7.GM.2

4.2in

2.3in

8.8in

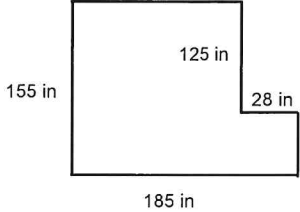A $36.96in^2$

B $20.24in^2$

C $14.95in^2$

D $34.125in^2$

Level 3

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3. Given the figure find the area.   Std: 7.GM.2

4.2in

15 in

2.3in

15 in

38.5in

A $120.26in^2$

B $265in^2$

C $492in^2$

D $626.25in^2$

Level 3

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4. Given the figure find the perimeter.   Std: 7.GM.2

125 in

155 in

28 in

185 in

A $555in$

B $680in$

C $780in$

D $2245.35in$

Level 3

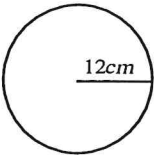7.GM.3 Quiz 1   Std: 7.GM.3
1. Find the circumference use 3.14 for pi:

A 15.14cm
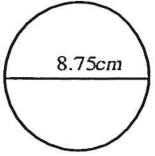
B 25.362cm

C 37.68cm

D 75.36cm

12cm

Level 3

Std: 7.GM.3
2. Find the circumference leave your answer in terms of pi:

A 4.375πcm

B 8.75πcm

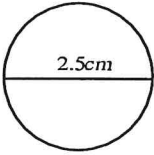C 17.5πcm

D 75.5625πcm

8.75cm

Level 3

Std: 7.GM.3
3. Find the area leave your answer in terms of pi:

A 1.5625πcm²

B 2.5πcm²

C 6.25πcm²
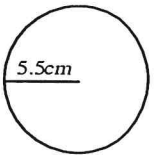
D 12.5πcm²

2.5cm

Level 3

Std: 7.GM.3
4. Find the area use 3.14 for pi:

A 23.7cm²

B 30.25cm²

C 94.985cm²

D 478.39cm²
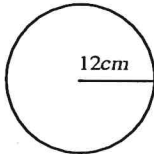
5.5cm

Level 3

Std: 7.GM.3
5. Which equation can be used to find the area of the figure below:

A $A = 12^2 \cdot \pi$

B $A = 6^2 \cdot \pi$

C $A = 12 \cdot \pi$

D $A = 24 \cdot \pi$

12cm

Level 3

Std: 7.GM.3
6. A circular swimming pool has a distance of 25 feet from edge to edge through the center. How far is the distance around the pool?

A $12.5 \cdot \pi$ ft

B $25 \cdot \pi$ ft
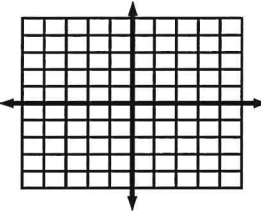
C $144.5 \cdot \pi$ ft

D $289 \cdot \pi$ ft

Level 3

1

7.GM.4 Quiz 1   Std: 7.GM.4

1. Which set of coordinates describes the translation

$(x + 1, y - 2)$ of the given pre-image:

X(-3, 2)   Y(-1, 2)   Z(-2, 1)

a)X'(-5,0) Y'(-5,-3) Z'(-2,-3)

b)X'(-3,0) Y'(-1,0) Z'(-2,-1)

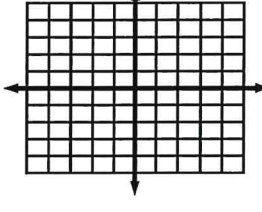c)X'(0,-2) Y'(-1,-3) Z'(2,0)

d)X'(-2,0) Y'(0,0) Z'(-1,-1)

Level 3

Std: 7.GM.4

2. Which set of coordinates describes the translation

$(x - 1, y + 4)$ of the given pre-image:

X(3, -1)   Y(4, -2)   Z(3, -3)

a)X'(2, 3) Y'(3, 2) Z'(2, 1)

b)X'(-2, -3) Y'(-3, -2) Z'(-2, -1)

c)X'(-2, 3) Y'(-3, 2) Z'(-2, 1)

d)X'(2, -3) Y'(3, -2) Z'(2, -1)

Level 3

Std: 7.GM.4

3. Which set of coordinates describes the reflection across
the y-axis of the given pre-image:

X(4, 1)   Y(2, 5)   Z(5, 5)

a)X'(-4, 1) Y'(-2, 5) Z'(-5, 5)

b)X'(4, -1) Y'(2, -5) Z'(5, -5)

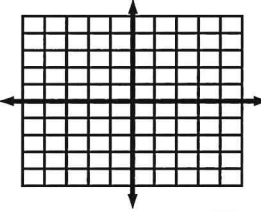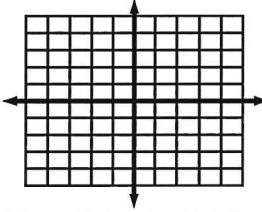c)X'(-4, -1) Y'(-2, -5) Z'(-5, -5)

c)X'(4, 1) Y'(2, 5) Z'(5, 5)

Level 3

Std: 7.GM.4

4. Which set of coordinates describes the reflection across
the x-axis of the given pre-image:

X(4, 1)   Y(2, 5)   Z(5, 5)

a)X'(-4, 1) Y'(-2, 5) Z'(-5, 5)

b)X'(4, -1) Y'(2, -5) Z'(5, -5)

c)X'(-4, -1) Y'(-2, -5) Z'(-5, -5)

d)X'(4, 1) Y'(2, 5) Z'(5, 5)

Level 3

Std: 7.GM.4

5. Which set of coordinates is similar to the figure given:

a)Fig A: (-3, 0) (-3, 3) (5, 3) (5,0)

b)Fig B: (-3, 1) (3, 3) (-3, 4) (3,0)

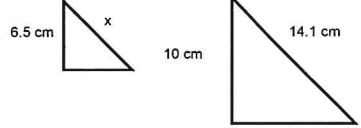c)Fig C: (0, -1) (0, 5) (2, -1) (2, 5)

d)Fig D: (0, 1) (0, 5) (2, 1) (2, 5)

Level 3

Std: 7.GM.4

6. The following two figures are similar. Find the value of x:

a) 3.12 cm

b) 4.3 cm

c) 5.76 cm

d) 9.165 cm

6.5 cm   x
        10 cm   14.1 cm

Level 3

Std: 7.GM.4

7. Which two sets of figures are similar?

a) Set A

b) Set B

c) Set C

d) Set D

Set A
2 in ◿ 6 cm
5 cm
6 cm

Set B
2 cm ▢
1.5 cm
5 cm
5 cm

Set C
3 cm ▢
3 cm
7 cm ▢
7 cm

Set D
1.5 in ◢ 12 cm
5 cm
12 cm

Level 3

Std: 7.GM.4

8. Which set of coordinates describes the dilation by a scale factor of 2 of the given pre-image:

a) Set A: (2, 2) (2, -2) (4, 2) (4, -2)

b) Set B: (2, -2) (-2, -2) (0, 2) (0, -2)

c) Set C: (0, 0) (-2, 0) (0, 2) (-2, 2)

d) Set D: (0, 2) (2, 0) (4, 2) (-2, 2)

Level 3

Std: 7.GM.4

9. Which set of coordinates describes the dilation by a scale factor of 1/2 of the given pre-image:

a) Set A: (-2, -2) (-2, 0) (0, 0) (0, -2)

b) Set B: (-2, -2) (-2, 3) (0, 2) (0, -3)

c) Set C: (-2, 2) (-2, -1) (2, 2) (2, -1)

c) Set C: (-4, 4) (-4, -2) (4, 4) (4, -2)

Level 3

Std: 7.GM.4

10. The given coordinates will be reflected across the x-axis and then will be translated 7 units left and 5 units up. What will the second image be?

A(4, 5)   B(4, 1)   C(5, 3)

a) A"(-3, 0) B"(-3, 4) C"(-2, 2)

b) A"(-3, 4) B"(-2, 2) C"(-3, 0)

c) A"(-2, -2) B"(3, 0) C"(3, -4)

d) A"(-2, 2) B"(3, 0) C"(-3, 4)

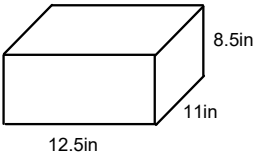Level 3

7.GM Standard Quiz   Std: 7.GM.1

1. A container is a rectangular prism with the measurements of 12 cm in length, 9 cm in width and 6 cm in height. Find the surface area of the container.

A $123cm^2$

B $648cm^2$

C $258cm^2$

D $468cm^2$

Level 3

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2. Given the figure find the volume.   Std: 7.GM.1

A $600.8in^3$

B $1168.75in^3$

C $1358.32in^3$
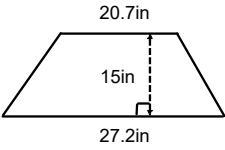
D $2369.33in^3$

Level 3

Std: 7.GM.1

3. If a rectangular prism has a volume of 2,310 cubic inches, a length of 15 inches and a height of 7 inches. What is the width of rectangular prism?

A $7in$

B $22in$

C $32in$
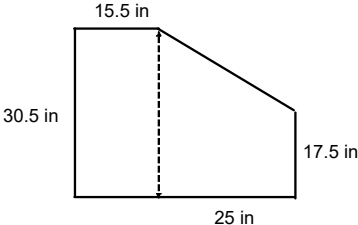
D $45in$

Level 3

---

4. Given the figure find the area.   Std: 7.GM.2

20.7in

15in

27.2in

A $8383.5in^2$

B $279.45in^2$

C $558.9in^2$

D $359.25in^2$

Level 3

---

5. Given the figure find the area.   Std: 7.GM.2

15.5 in

30.5 in

17.5 in

25 in

A $553in^2$

B $785in^2$

C $1072.75in^2$

D $1239.3in^2$

Level 3

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6. Given the figure find the perimeter.   Std: 7.GM.2
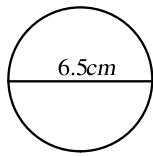
50 in

35 in

105 in

55 in

90 in

A $335in$

B $385in$

C $400in$

D $480in$

Level 3

1

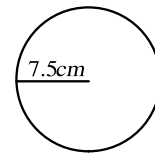7. Find the area leave your answer in terms of pi: Std: 7.GM.3

A $10.5625\pi cm^2$

B $6.5\pi cm^2$

C $3.25\pi cm^2$

D $3.14\pi cm^2$

6.5cm

Level 3

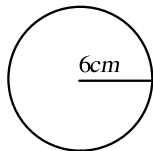8. Find the area use 3.14 for pi: Std: 7.GM.3

A $23.55cm^2$

B $176.625cm^2$

C $706.5cm^2$

D $1003.35cm^2$

7.5cm

Level 3

Std: 7.GM.3

9. Which equation can be used to find the circumference of the figure below:

A $C = 12^2 \cdot \pi$

B $C = 6^2 \cdot \pi$

C $C = 12 \cdot \pi$

D $C = 24 \cdot \pi$

6cm

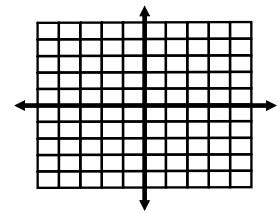Level 3

Std: 7.GM.4

10. Which set of coordinates describes the translation $(x + 3, y + 1)$ of the given pre-image:

X(-5, -2) Y(-3, 0) Z(-4, -4)

a)X'(-2,-1) Y'(0,1) Z'(-1,-3)

b)X'(-3,0) Y'(-1,0) Z'(-2,-1)

c)X'(0,-2) Y'(-1,-3) Z'(2,0)

d)X'(-2,0) Y'(0,0) Z'(-1,-1)

Level 3

Std: 7.GM.4

11. Which set of coordinates describes the reflection across the x-axis of the given pre-image:

X(-5, -5) Y(-5, -1) Z(-1, -5)

a)X'(5, -5) Y'(5, -1) Z'(1, -5)

b)X'(4, -1) Y'(2, -5) Z'(5, -5)

c)X'(-5, 5) Y'(-5, 1) Z'(-1, 5)

d)X'(4, 1) Y'(2, 5) Z'(5, 5)

Level 3

Std: 7.GM.4

12. Which set of coordinates describes the dilation by a scale factor of 2 of the given pre-image:

a) Set A: (2, 4) (4, 4) (2, -2) (4, -2)

b)Set B: (-2, -2) (-2, 3) (0, 2) (0, -3)

c)Set C: (-2, 2) (-2, -1) (2, 2) (2, -1)

d)Set D: (-4, 4) (-4, -2) (4, 4) (4, -2)

Level 3

2

Standard Quiz	Question Number Followed by the Answer										
7.N.1Quiz1	1.B	2.D	3.B	4.B	5.D	6.D					
7.N.2Quiz1	1.C	2.D	3.B	4.D	5.B	6.D	7.A	8.A			
7.N.2Quiz2	1.C	2.A	3.D	4.B	5.D						
7.NQuiz	1.A	2.B	3.D	4.A	5.C	6.C	7.A*	8.B*	9.A	10.C	11.C	12.C
7.A.1Quiz1	1.C	2.A	3.C	4.A	5.B	6.D					
7.A.2Quiz1	1.A	2.D	3.C	4.A	5.C	6.A	7.A	8.C			
7.A.3Quiz1	1.A	2.D	3.D	4.D	5.A						
7.A.4Quiz1	1.A	2.C	3.B	4.B	5.B						
7.A.Std.Quiz	1.C	2.A	3.C	4.B	5.C	6.A	7.B	8.D	9.B	10.B	11.D	12.B
7.GM.1Quiz1	1.C	2.D	3.A	4.B	5.A						
7.GM.2Quiz1	1.A	2.C	3.D	4,B							
7.GM.3Quiz1	1.D	2.B	3.A	4.C	5.A	6.B					
7.GM.4Quiz1	1.D	2.A	3.A	4.B	5.C	6.D	7.C	8.A	9.C	10.A	
7.GM.Std.Quiz	1.D	2.B	3.B	4.D	5.C	6.D	7.A	8.B	9.C	10.A	11.C	12.A
7.D.1Quiz1	1.B	2.B	3.C	4.A	5.D	6.D					
7.D.2Quiz1	1.B	2.C	3.A	4.C	5.D						
7.D.Std.Quiz	1.A	2.A	3.C	4.D	5.B	6.C	7.C	8.D	9.D	10.A	11.B	12.C
Standard Test	1.B	2.B	3.C	4.C	5.A	6.C	7.C	8.A	9.B	10.D	11.C	12.A
	13.D	14.C	15.A	16.C	17.C	18.D	19.C	20.A	21.A	22.D	23.D	24.A
	25.C	26.B	27.B	28.D	29.C	30.D	31.B	32.D	33.B	34.D	35.D	36.B
	37.C	38.A	39.D	40.D	41.D	42.C						