**Arun Kumaresan**

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**Combined Assessment**

**Angles, volume, exponents**

**52.5%**

| | |
|---|---|
| Points: | 21 out of 40 |
| Duration: | 00:56:34 |
| Date started: | Sat 5 Jun '21 10:09am |
| Date finished: | Sat 5 Jun '21 11:06am |

***Feedback***

Congrats!

**Statistics by Category**

# Answers

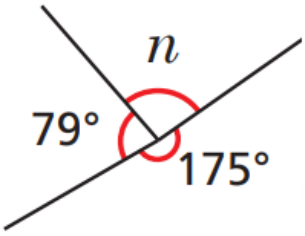
✔ Correctly answered ✘ Incorrectly answered ➔ Missed correct option

All Questions | **10** Correct | **1** Partially Correct | **3** Incorrect | **6** Unanswered

## Question 1 of 20

Elementary Math

Find the value of n




*Answer given:*

✔ 106

*Accepted answers:*

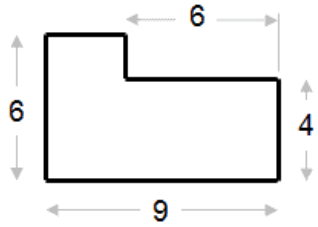
106
106 degrees

**Points:** 1 out of 1

## Question 2 of 20

Elementary Math

Find the perimeter of the figure.




Correct answer: **B)**
Selected answer: **B)**

- **A)** 42
- ✔ **B)** 30
- **C)** 25
- **D)** 18

**Points:** 1 out of 1

**Question 3 of 20**
Elementary Math

Solve

$$\left[\left(\frac{1}{4}\right)^{-3}-\left(\frac{1}{3}\right)^{-3}\right]\div\left(\frac{1}{6}\right)^{-3}$$

Correct answer: **A)**
Selected answer: **A)**

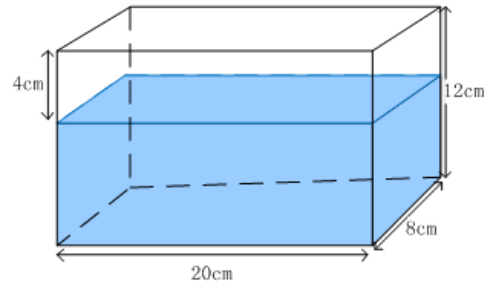
- ✔ **A)** 37/216
- **B)** 7992
- **C)** 253
- **D)** 216/37

**Points:** 2 out of 2

**Question 4 of 20**
Elementary Math

A fish tank is shown below. Find the volume of water in the tank if the surface of the water is 4 cm off the top of the tank. Give the

answer in milliliters.



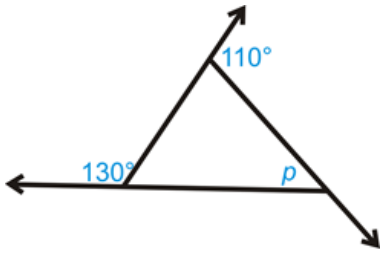

Correct answer: **A)**
Selected answer: **A)**

- ✓ **A)** 1280 mL
- **B)** 1820 $cm^3$
- **C)** 1028 mL
- **D)** 1260 $cm^3$

**Points:** 2 out of 2

## Question 5 of 20

Elementary Math




*Answer given:*

✗ **No answer given**

*Accepted answers:*

60
60 degrees

**Points:** 0 out of 1

## Question 6 of 20

Elementary Math

$$-1\times\left[\left(3-4\times7\right)\div5\right]-2\times24\div6$$

Correct answer: **D)**
Selected answer: **No answer given**

- **A)** 7

B) -5

C) 4

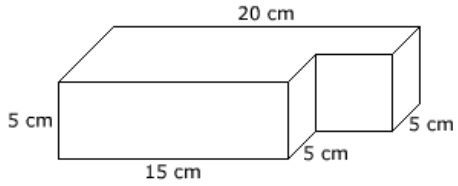
➔ D) -3

**Points:** 0 out of 2

## Question 7 of 20

Elementary Math

Find the volume of the complex shape




Correct answer: **C)**
Selected answer: **C)**

A) 654 $cm^3$

B) 785 $cm^3$

✓ C) 875 $cm^3$

D) 650 $cm^3$

**Points:** 2 out of 2

## Question 8 of 20

Elementary Math

If 10 $cm^3$ of cheese costs 15 cents, how much does it cost for a rectangular cheese bar measuring 4cm by 5cm by 6cm?

Correct answer: **A)**
Selected answer: **B)**

➔ A) $1 80 cents

✗ B) $1 75 cents

C) 160 cents

D) 200 cents

**Points:** 0 out of 1

## Question 9 of 20

Elementary Math

Solve

$$\left(\frac{2}{3}\right) \div \left[\frac{1}{4} + \left(-\frac{1}{2}\right) \times \frac{1}{3}\right]$$

Correct answer: **A)**
Selected answer: **A)**

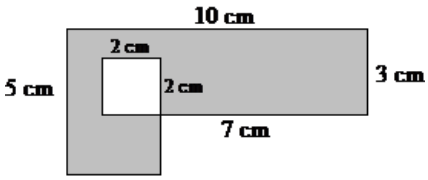
- ✔ **A)** 8
- **B)** 1/18
- **C)** 4
- **D)** -8

**Points:** 2 out of 2

## Question 10 of 20

Elementary Math

Find the area of the shaded region.




Correct answer: **C)**
Selected answer: **C)**

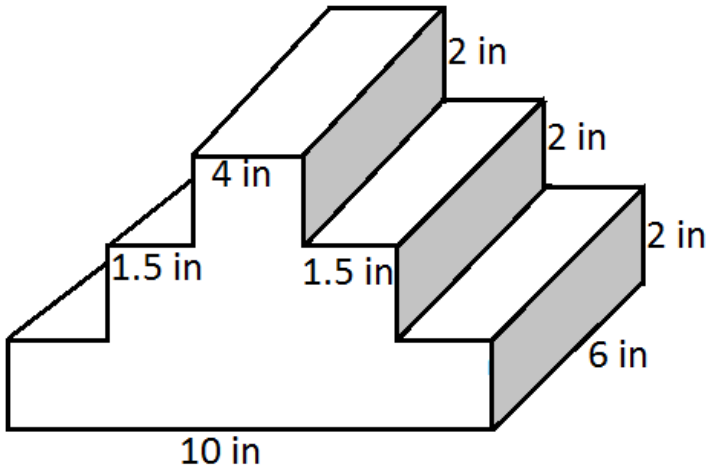
- **A)** 36 square cm
- **B)** 32 cm
- ✔ **C)** 32 square cm
- **D)** 36 cubic cm

**Points:** 2 out of 2

## Question 11 of 20

Elementary Math

Find the volume of this complex shape




Correct answer: **A)**
Selected answer: **No answer given**

- **A)** 252 $in^3$
- **B)** 300 $in^3$
- **C)** 345 $in^3$
- **D)** 567 $in^3$

**Points:** 0 out of 3

**Question 12 of 20**
Elementary Math

Find the number of cubical boxes of cubical side 3 cm which can be accommodated in carton of dimensions 15 cm × 9 cm × 12 cm.

*Answer given:*

✗ 1620

*Accepted answers:*

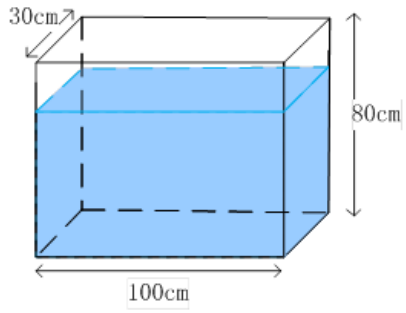
60 cm3
60

**Points:** 0 out of 2

**Question 13 of 20**
Elementary Math

The rectangular container is filled to 5/8 of its capacity. What is the volume of the remaining space in the container? Express

your answer in liters.




*Answer given:*

✗ 90000

*Accepted answers:*

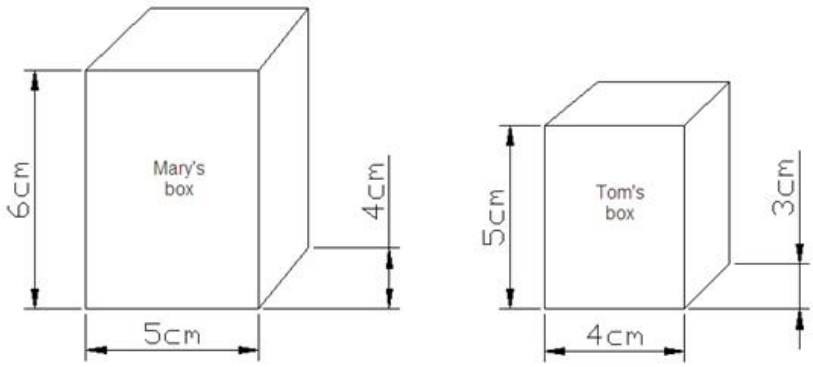
90 liters
90
90 L
90 l
90 litres

**Points:** 0 out of 2

**Question 14 of 20**

Elementary Math

Mary has a box that measures 4 cm by 5 cm by 6 cm. Tom has a rectangular box that measures 3 cm by 4 cm by 5 cm. They use their boxes to hold milk. How many milliliters of milk can the two boxes hold all together?




*Answer given:*

✓ 180

*Accepted answers:*

180 mL
180

**Points:** 2 out of 2

## Question 15 of 20

Elementary Math

A fish tank, measuring 100 cm long, 40 cm wide and 50 cm high, is filled with water to a level of 23 cm. A piece of rock is lowered into the tank and the water level rises. If 28 liter of water is still required to fill up the fish tank, what is the volume of the piece of rock?

Correct answer: **D)**
Selected answer: **No answer given**

**A)** 5432 mL

**B)** 50 L

**C)** 75,000 mL

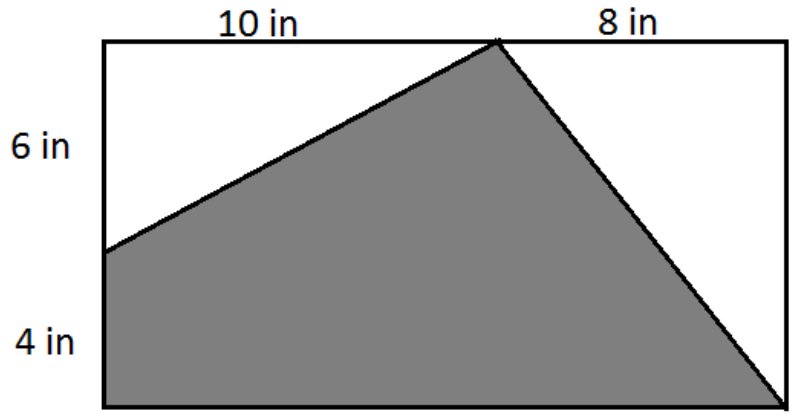
➔ **D)** 80 liters

**Points:** 0 out of 2

## Question 16 of 20

Elementary Math

Find the area of the shaded region




Correct answer: **C)**
Selected answer: **No answer given**

**A)** 110 cm

**B)** 98 sq in

➔ **C)** 110 sq in

**D)** 56 sq in

**Points:** 0 out of 2

## Question 17 of 20

Elementary Math

A rectangular tank measuring, 19 cm by 24 cm by 16 cm, was 7/8 filled with oil. When some heavy ball bearings were dropped into it, 138 ml of oil overflowed. How many ball bearings were dropped into the tank, if each ball bearing had a volume of 6 $cm^3$?

Correct answer: **B)**
Selected answer: **No answer given**

A) 165

➔ B) 175

C) 150

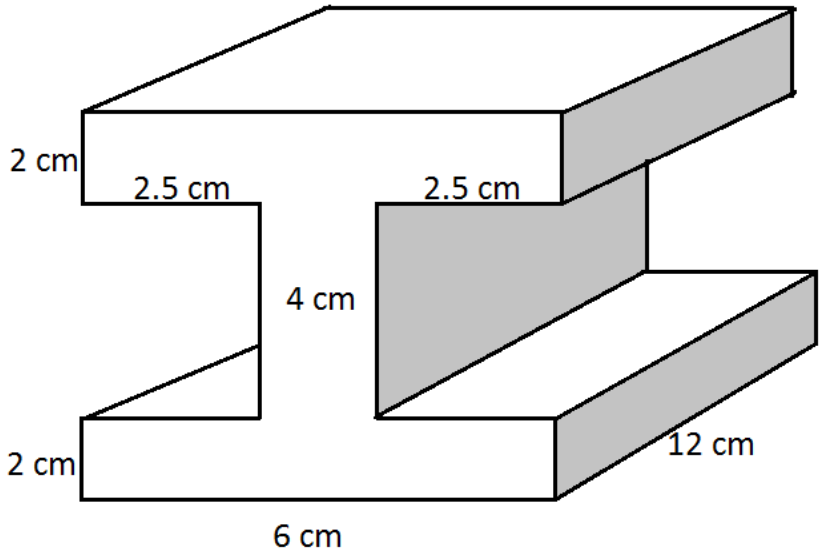
D) 174

**Points:** 0 out of 3

## Question 18 of 20

Elementary Math

Find the volume of this complex shape




Correct answer: **B)**
Selected answer: **B)**

A) 288 $cm^3$

✓ B) 336 $cm^3$

C) 448 $cm^3$

D) 338 $cm^3$

**Points:** 3 out of 3

## Question 19 of 20

Elementary Math

A water tank, measuring 40 cm long, 20 cm wide and 15 cm high, is empty. Randy wants to fill it up using a 0.2 liter cup. How many cups of water does it need to fill the tank up?

Correct answer: **D)**
Selected answer: **D)**

A) 90

B) 60,000

C) 16

✓ D) 60

**Points:** 2 out of 2

## Question 20 of 20

Elementary Math

Match the options below:

| | | |
|---|---|---|
| 13 cup | ✔ Correct answer<br>3.25 qt | |
| 145 mL | ✔ Correct answer<br>145 cm3 | |
| 45 cup | ✘ Incorrect answer<br>320 fl oz | ➔ Missed correct answer<br>2.8125 gal |
| 34 gal | ✔ Correct answer<br>272 pt | |
| 10 qt | ✘ Incorrect answer<br>2.8125 gal | ➔ Missed correct answer<br>320 fl oz |
| 21 gal | ✔ Correct answer<br>168 pt | |

**Points:** 2 out of 3

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