

GMF - PRACTICE EXAM

1. (C) Commission

$$\begin{array}{r} 2 \quad 8 \text{ Hrs} \times 12.50 = \$ 100.00 \\ \quad \$78 \quad \times 0.70 = \quad \$ 54.60 \\ \hline \quad \quad \quad = \$ 154.60 \end{array} \quad (A)$$

3. $\frac{1}{\text{Rate}} = \frac{\text{For.}}{\text{Can.}}$

$$\frac{1}{1.580814} \Rightarrow 350 \quad (A)$$
$$x = \$ 553.28 \quad \text{or} \quad \$ 550.00$$

Cheaper in Canada

4. $\$ 250,000 \times 0.142 = \$ 35,500 \quad (D)$

5. $\frac{\$1.54}{150g} = \$0.01/g$

Unit Price = $\$0.01/g$

$0.01026 \times 302g = \$3.10$

$3.10 \times 0.70 = \$2.17$

$\frac{1.54}{150} = \frac{X}{302}$

$\frac{150X}{150} = \frac{465.08}{150}$

$X = 3.10$

$3.10 \times 0.30 = 0.93 \text{ off}$

$3.10 - 0.93 = \$2.17$

(A)

6. $49 \text{ Hrs} - 35 \text{ Hrs} = 14 \text{ Hrs overtime}$

(C)

7. $35 \text{ Hrs} \times \$26.25 = \918.75

Overtime Rate $26.25 \times 1.5 = \$39.375$

$14 \text{ Hrs} \times 39.375 = \551.25

Gross Pay Reg. $\$918.75$
Overtime $+ \$551.25$
 $= \underline{\underline{\$1470.00}}$

(B)

8. $A = P \left(1 + \frac{r}{n}\right)^{nt}$
 $= 6000 \left(1 + \frac{0.04}{2}\right)^{2(5)}$
 $= 6000 (1.02)^{10}$
 $= 6000 (1.21899442)$
 $= \$7313.97$

$7313.97 - 6000$
 $= \underline{\underline{\$1313.97}}$

(A)

9. $108.56 \times 0.20 = \$21.712$ $\overset{OB}{|}$ 108.56×0.80
 $108.56 - 21.712 = \$\underline{86.85}$ $= \underline{\underline{\$86.85}}$

$\$86.85 \times 1.13 = \underline{\underline{\$98.14}}$ (B)

10.
$$A = P \left(1 + \frac{r}{n} \right)^{nt}$$
$$= 6650 \left(1 + \frac{0.0434}{4} \right)^{4(6)}$$
$$= 6650 (1.01085)^{24}$$
$$= 6650 (1.295630522)$$
$$= \underline{\underline{\$8615.94}} \quad \textcircled{C}$$

11.
$$I = Prt$$
$$= 680 (0.1965) \left(\frac{28}{365} \right)$$
$$= 680 (0.1965) (0.076712328)$$
$$= \$10.25 \quad \textcircled{B}$$

12. \$ 2500.00
 - 70.50
 - 36.47 (B)
 - 30.00
 - 65.70

 = \$2,297.33

13. inches (D)

14. Number × want
have

$$605 \times \frac{\text{feet}}{\text{yards}}$$

$$605 \times \frac{3}{1}$$

$$= 1815 \text{ ft}$$

(C)

15. Number × want
have

$$8 \times \frac{\text{miles}}{\text{km}}$$

$$8 \times \frac{1}{1.6093}$$

$$= \frac{8}{1.6093}$$

$$= \underline{4.97 \text{ miles}}$$

$$12 \times \frac{\text{miles}}{\text{km}}$$

$$12 \times \frac{1}{1.6093}$$

$$= \frac{12}{1.6093}$$

$$= \underline{7.46 \text{ miles}}$$

6 miles

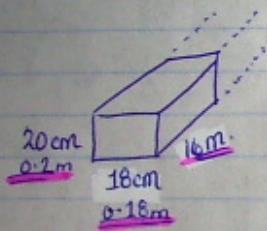
(C)

$$= \frac{8}{1.6093} = 4.97 \text{ miles}$$

$$= \frac{12}{1.6093} = 7.46 \text{ miles}$$

6 miles (C)

16.



1st Number x want have.

$$20 \times \frac{m}{cm}$$

$$= 20 \times \frac{1}{100}$$

$$= \frac{20}{100}$$

$$= \underline{0.2m}$$

$$18 \times \frac{m}{cm}$$

$$= 18 \times \frac{1}{100}$$

$$= \frac{18}{100}$$

$$= \underline{0.18m}$$

2nd

$$V = L \times W \times H$$

$$= 16 \times 0.18 \times 0.2$$

$$= 0.576 m^3$$

3rd

$$0.576 \times 55$$

$$= \$31.68$$

(B)

17. Number x want
have.

$$15 \times \frac{\text{cm}}{\text{in}}$$
$$15 \times \frac{2.54}{1}$$
$$= \underline{38.1 \text{ cm}}$$

(D)

18. $C = \frac{5}{9}(F - 32)$

$$= \frac{5}{9}(15 - 32)$$
$$= \frac{5}{9}(-17)$$
$$= -9.4^{\circ}\text{C}$$

(A)

$$= -9.4^{\circ}\text{C}$$

19. Number \times want
have.

$$= 68.7 \times \frac{\text{ounces}}{\text{grams}}$$

$$= 68.7 \times \frac{1}{28.4}$$

$$= \frac{68.7}{28.4}$$

$$= \underline{\underline{2.42 \text{ ounces}}}$$

(B)

20. Number x want
have.

$$72 \times \frac{\text{lbs}}{\text{kg}}$$

$$72 \times \frac{2.2}{1}$$
$$= \underline{158.4 \text{ lbs.}}$$

$$\frac{1000}{158.4}$$
$$= \underline{\underline{6.31}} \quad \text{C}$$

6 Adults.

21.

$\frac{\text{kg}}{\text{cord}}$

$$\frac{370}{1} = \frac{400}{x}$$

$$370x = 400$$

$$\frac{370}{370} = \frac{400}{370}$$

$$x = 1.08 \text{ cords.}$$

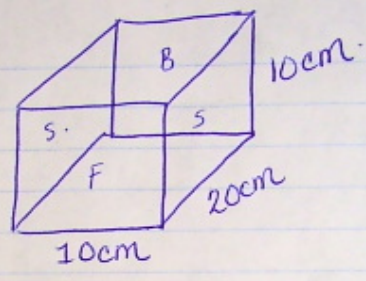
$$1.08 \text{ cords} \times 250$$

$$= \underline{\underline{\$ 270.00}} \quad \text{A}$$

$$\begin{aligned} 22. \quad V &= \frac{\pi r^2 \times h}{3} \\ &= \frac{3.14(10)^2 \times 25}{3} \\ &= \frac{3.14(100) \times 25}{3} \\ &= \frac{7850}{3} \\ &= 2616.67 \text{ cm}^3. \end{aligned}$$

(B)

23.

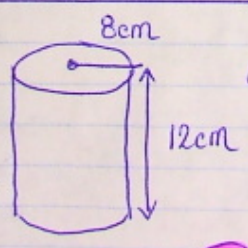


Sides	F & B
$2(20 \times 10)$	$2(10 \times 10)$
$2(200)$	$2(100)$
$= 400 \text{ cm}^2$	$= 200 \text{ cm}^2$

$400 + 200 = 600 \text{ cm}^2$

(D)

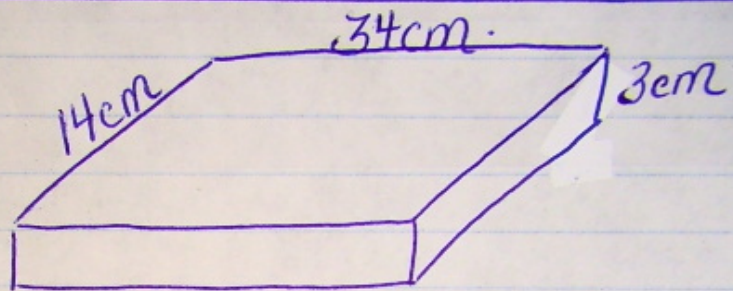
24.



$SA = 2\pi r^2 + 2\pi rh$
 $= 2(3.14)(8)(12)$
 $= 602.88 \text{ cm}^2$

(C)

25.

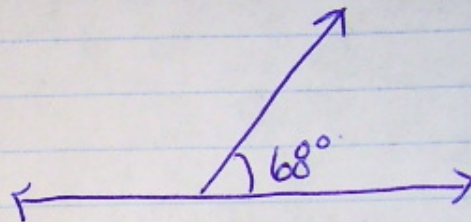


$$\begin{aligned} V &= L \times W \times H \\ &= 34 \times 14 \times 3 \\ &= 1428 \text{ cm}^3 \end{aligned}$$

(B)

26.

(C)



$$180 - 68^\circ = 112^\circ$$

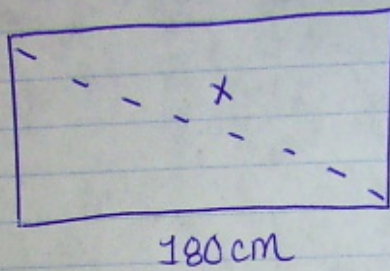
Supplementary.

27.

"Z" Rule Alternate Interior.

(B)

28.



32 cm

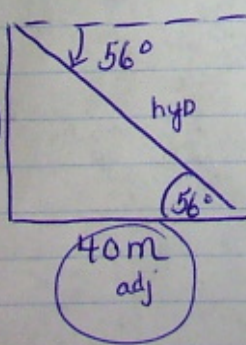
180 cm

$$\begin{aligned} a^2 + b^2 &= c^2 \\ 32^2 + 180^2 &= c^2 \\ 1024 + 32400 &= c^2 \\ \sqrt{33424} &= \sqrt{c^2} \\ c &= 182.2 \\ &= 182 \end{aligned}$$

A

29.

opp
X



40 m
adj

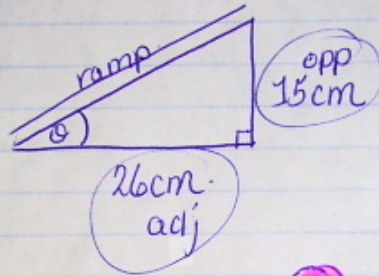
$$\tan 56^\circ = \frac{a}{a}$$

$$\frac{1.4826}{1} = \frac{X}{40}$$

$$X = \underline{59.30 \text{ m}}$$

C

30.



$$\tan \theta = \frac{o}{a}$$

$$\tan \theta = \frac{15}{26}$$

$$\theta = \underline{\underline{30^\circ}}$$

A

31.

1st

$$\frac{3500}{12} = \$291.67$$

2nd

$$4500 - 291.67 = \$4208.33$$

3rd

$$4208.33 \times 0.0495 = \underline{\underline{\$208.51}}$$

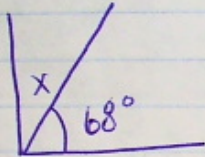
D

31

$$4208.33 \times 0.0495 = \underline{\underline{208.3}}$$

D

32.



$$90^\circ - 68^\circ = \underline{\underline{22^\circ}}$$

B