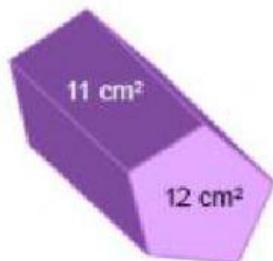


Question 20



Each of the rectangular sides has the same area.

What is the surface area?

- A) 55 cm^2
- B) 67 cm^2
- C) 79 cm^2
- D) 68 cm^2

Question 21

Given that $y = \frac{k}{x}$.

If $y = 6$ and $x = 5$, what is the value of x ?

- A) $\frac{5}{6}$
- B) $\frac{1}{6}$
- C) 30
- D) 6

Question 22

What is the perimeter of a square with side length 15 mm?

- A) 225 mm
- B) 90 mm
- C) 60 mm
- D) 30 mm

Question 23

Which one of these pair of shapes is the congruent shape?

A)



B)

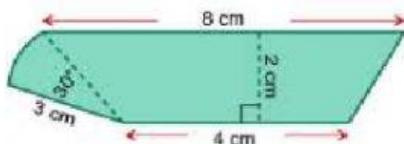


C)



D)



Question 24

This shape can be split into a sector and a trapezium.

What is the area of the composite shape correct to one decimal place?

Use $\pi = 3.14$

- A) 14.4cm^2
- B) 16.5cm^2
- C) 24.4cm^2
- D) 30cm^2

Question 25

Given that $w = \frac{3t}{5}$.

What is the constant of proportionality in this equation?

- A) 3
- B) 5
- C) $\frac{3}{5}$
- D) $\frac{1}{5}$

Question 26

	H	T
H		
T		

The table above show the possibility table throwing 2 coins together. The cells are empty. What is the probability the coins getting different face?

- A) $\frac{1}{4}$
- B) $\frac{1}{2}$
- C) $\frac{3}{4}$
- D) $\frac{1}{3}$

Question 27

In a group of 35 students, 14 go to school by bus.

Find the probability that a student, chosen at random, **does NOT** go to school by bus.

- A) $\frac{11}{35}$
- B) $\frac{14}{35}$
- C) $\frac{21}{35}$
- D) $\frac{3}{7}$

Question 28

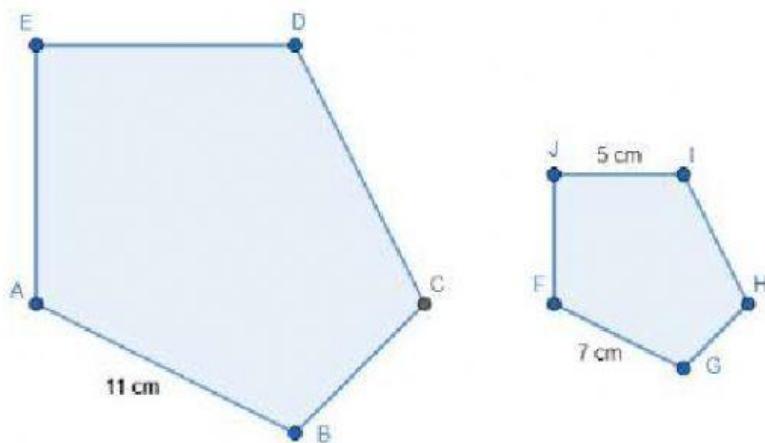
An equilateral triangle has a perimeter of 45 cm.

What is the length of its side?

- A) 15 cm
- B) 22.5 cm
- C) 135 cm^2
- D) 2025 cm^2

Question 29

Look at the similar shape below



What is the length of the corresponding side of JI?

- A) 7.86 cm
- B) 15.4 cm
- C) 7.96 cm
- D) 15.3 cm

Question 30

What is the **height** of this trapezium?

- A) 10
- B) 20
- C) 30
- D) 72

Question 31

A plane has 14 First Class seats, 70 Premium seats, and 168 Economy seats.

What is the ratio of First Class seats : Premium seats : Economy seats in simplest form?

- A) 14 : 70 : 168
- B) 2 : 10 : 24
- C) 2 : 35 : 24
- D) 2 : 5 : 12

Question 32

Umar and Stevan share some money in the ratio 3 : 2.

The total of their money is \$80. How much money does Umar receive?

- A) \$16
- B) \$32
- C) \$48
- D) \$60

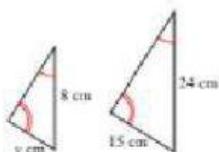
Question 33

Two dice are thrown. The probability that both dice show 5 is _____.

- A) $\frac{1}{6}$
- B) $\frac{1}{36}$
- C) $\frac{5}{36}$
- D) $\frac{5}{6}$

Question 34

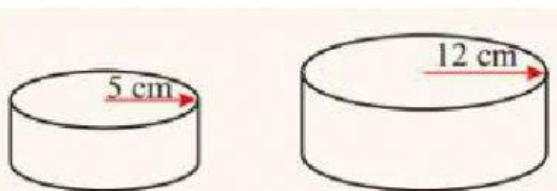
Find the value of y



- A) 3
- B) 4
- C) 5
- D) 6

Question 35

Look at the similar solid below



Given that the volume larger cylinder is 576 cm^3 .

What is the volume of the smaller cylinder?

A) 100 cm^3

B) $\frac{128}{3} \text{ cm}^3$

C) 240 cm^3

D) $\frac{48}{5} \text{ cm}^3$