

**Test:** (2020) Primary 6 Maths (Term 1) - Red Swastika

**Points:** 25 points

**Name:** \_\_\_\_\_

**Score:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Select multiple choice answers with a cross or tick:

- Only select one answer
- Can select multiple answers

**Question 1 of 25**

Primary 6 Math (Term 1) 1 pt

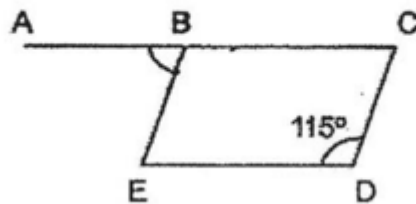
Express  $6y+8-2y-5$  in the simplest form

- A)  $4y + 3$
- B)  $4y-13$
- C)  $8y + 3$
- D)  $8y-13$

**Question 2 of 25**

Primary 6 Math (Term 1) 1 pt

In the figure below, BCDE is a parallelogram. ABC is a straight line.  
Find  $\angle ABE$ .

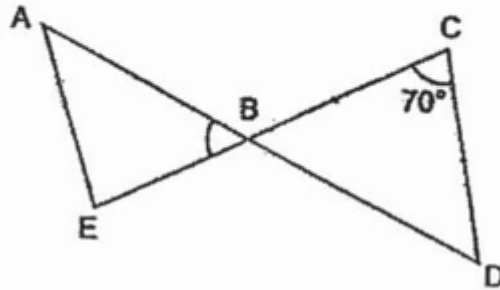


- A) 25
- B) 65
- C) 75
- D) 115

## Question 3 of 25

Primary 6 Math (Term 1) 1 pt

In the figure below,  $BCD$  is an isosceles triangle.  $ABD$  and  $EBC$  are straight lines. Find  $\angle ABE$ .

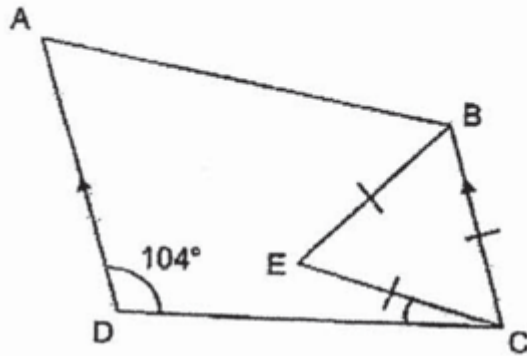


- A) 35  
 B) 55  
 C) 70  
 D) 110

## Question 4 of 25

Primary 6 Math (Term 1) 1 pt

In the figure below,  $ABCD$  is a trapezium with  $AD$  parallel to  $BC$ ,  $BCE$  is an equilateral triangle and  $\angle ACD = 104^\circ$ . Find  $\angle DCE$ .



- A) 16  
 B) 44  
 C) 60  
 D) 76

## Question 5 of 25

Primary 6 Math (Term 1) 1 pt

Which of the following has the same value as  $\frac{2}{9} + \frac{3}{5}$ ?

- A)  $\frac{2}{9} \times \frac{3}{5}$
- B)  $\frac{9}{2} \times \frac{3}{5}$
- C)  $\frac{2}{9} \times \frac{5}{3}$
- D)  $\frac{9}{2} \times \frac{5}{3}$

## Question 6 of 25

Primary 6 Math (Term 1) 1 pt

Mrs Ang has a box containing red and blue beads. The ratio of the number of red beads to the number of blue beads is 3:5. What fraction of the total number of beads is blue?

- A)  $\frac{3}{8}$
- B)  $\frac{5}{8}$
- C)  $\frac{8}{3}$
- D)  $\frac{5}{8}$

## Question 7 of 25

Primary 6 Math (Term 1) 1 pt

The number of member in a dancing class in April was 40. The number of member increase to 50 in May. Find the percentage increase in the number of member from April to May.

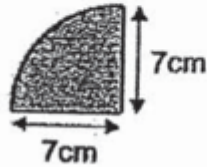
- A) 10%
- B) 20%
- C) 25%
- D) 80%

## Question 8 of 25

Primary 6 Math (Term 1) 1 pt

The shaded figure is a quadrant of radius 7 cm. What is the perimeter of the shaded figure?

(Take  $\pi = \frac{22}{7}$ )

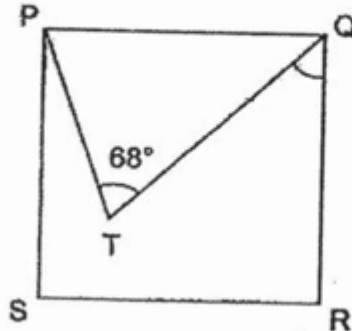


- A) 11cm
- B) 18cm
- C) 25cm
- D) 58cm

## Question 9 of 25

Primary 6 Math (Term 1) 1 pt

In the figure below, PQRS is a square,  $PQ = QT$  and  $\angle PTQ = 68^\circ$ . Find  $\angle TQR$ .

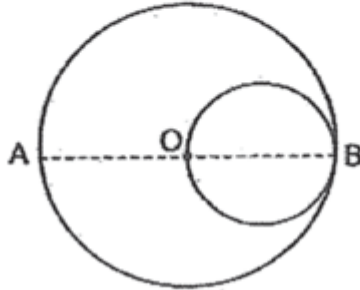


- A) 22
- B) 34
- C) 44
- D) 46

## Question 10 of 25

Primary 6 Math (Term 1) 1 pt

The figure below is made up of a big circle and a small circle.  $O$  is the centre of the big circle.  $AB$  is the diameter of the big circle.  $OB$  is the diameter of the small circle. The radius of the small circle is  $10\text{cm}$ . Find the area of the big circle in terms of  $\pi$ .



- A)  $40\pi \text{ cm}^2$
- B)  $100\pi \text{ cm}^2$
- C)  $300\pi \text{ cm}^2$
- D)  $400\pi \text{ cm}^2$

## Question 11 of 25

Primary 6 Math (Term 1) 1 pt

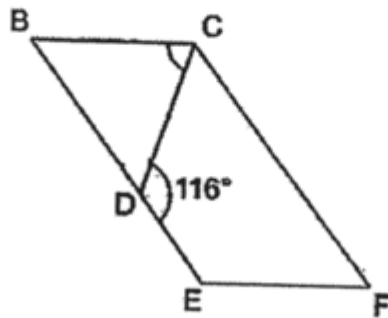
Dora used 4 cups of water and 1 cup of orange syrup to make a jug of orange drink. She used a total of 80 cups of water and orange syrup. How many jugs of orange drink did she make?

- A) 14
- B) 16
- C) 20
- D) 80

## Question 12 of 25

Primary 6 Math (Term 1) 1 pt

BCD is an isosceles triangle and BCFE is a parallelogram. BDE is a straight line.  $\angle CDE = 116^\circ$ . Find  $\angle BCD$ .

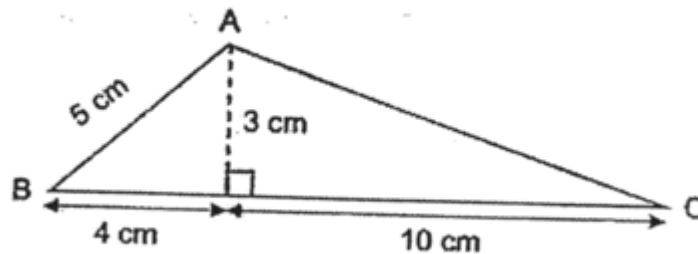


- A) 52  
 B) 58  
 C) 62  
 D) 64

## Question 13 of 25

Primary 6 Math (Term 1) 1 pt

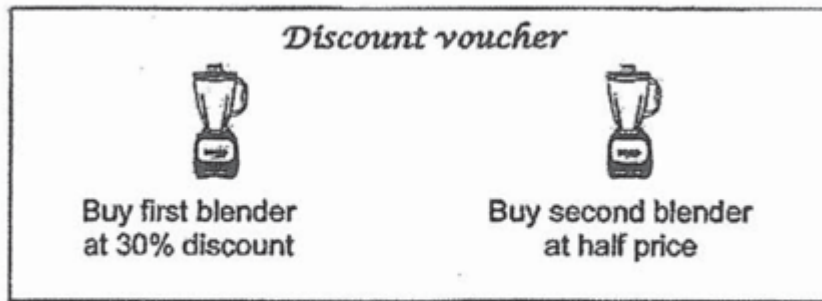
What is the area of Triangle ABC as shown in the figure below?



- A) 21cm<sup>2</sup>  
 B) 35cm<sup>2</sup>  
 C) 42cm<sup>2</sup>  
 D) 70cm<sup>2</sup>

## Question 14 of 25

Primary 6 Math (Term 1) 1 pt



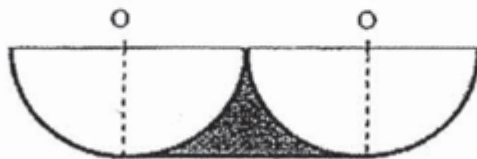
Mrs Lim paid \$240 for two blenders by using the discount voucher as shown above. How much did she save on the two blenders?

- A) \$40
- B) \$60
- C) \$160
- D) \$192

## Question 15 of 25

Primary 6 Math (Term 1) 1 pt

The figure shows two identical semicircles where O is the centre of the semicircles. The radius of the semicircles is 10cm. Find the perimeter of the shaded part. ( Take  $\pi = 3.14$  )



- A) 31.4cm
- B) 35.7cm
- C) 51.4cm
- D) 82.8cm

**Question 16 of 25**

Primary 6 Math (Term 1) 1 pt

Find the value of  $0.56 \times 40$ 

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**Question 17 of 25**

Primary 6 Math (Term 1) 1 pt

Write one million, nine hundred and nine thousand and ninety in numeral

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**Question 18 of 25**

Primary 6 Math (Term 1) 1 pt

List all the common factors of 18 and 24

\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, .....

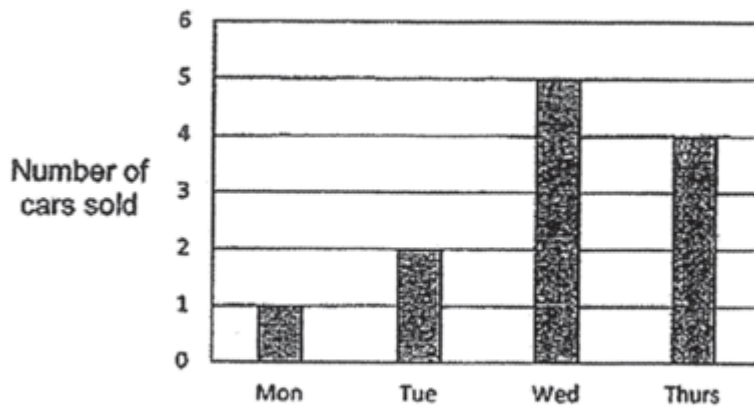
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## Question 19 of 25

Primary 6 Math (Term 1) 1 pt

The graph shows the number of cars sold in a shop over 4 days.



On which day was  $\frac{1}{6}$  of the total number of cars sold over the 4 days?

- A) Mon
- B) Tues
- C) Wed
- D) Thurs

## Question 20 of 25

Primary 6 Math (Term 1) 1 pt

Raymond spent  $\frac{3}{5}$  of his savings to buy 12 key chains. He wanted to buy another 12 similar key chains but realised that he was short of \$8. What was the price of one key chain?

**Question 21 of 25**

Primary 6 Math (Term 1) 1 pt

Mrs Lee divided 18 kg of cashew nuts equally into some bags. There was  $\frac{3}{8}$  kg of cashew nuts in each bag. How many bags were there?

**Question 22 of 25**

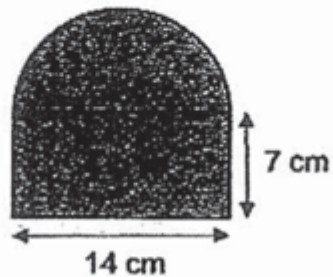
Primary 6 Math (Term 1) 1 pt

In a room, 21 pupils do not wear glasses. This is 30% of the total number of pupils in the room. How many pupils are there in the room?

**Question 23 of 25**

Primary 6 Math (Term 1) 1 pt

The figure below is made up of a semicircle and a rectangle.  
Find the area of the figure. (Take  $\pi = \frac{22}{7}$ )



**Question 24 of 25**

Primary 6 Math (Term 1) 1 pt

The price of a belt is \$ $b$ . The price of a wallet is \$10 more than the price of a belt. James bought 3 belts and 2 wallets. How much did he spend altogether? Give your answer in terms of  $b$ .

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**Question 25 of 25**

Primary 6 Math (Term 1) 1 pt

The mass of Leon is  $\frac{1}{3}$  of the mass of Max. The mass of Nick is  $\frac{1}{2}$  of the total mass of the Leon and Max. What is the ratio of the mass of Leon to the mass of Max to the mass of Nick?

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