Red Swastika School
Primary 6
Class Test (CA1)
Mathematics

35

Name: _____ ( ) **Date:** _____ 2020

Class: _____ **Duration:** 50 minutes

Parent's Signature: _____

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write its number in the brackets provided.
(20 marks)

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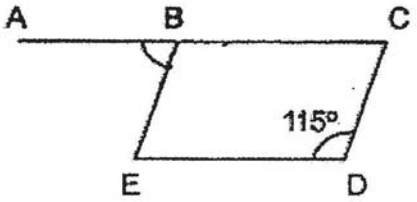
1 Express $6y + 8 - 2y - 5$ in the simplest form

(1) $4y + 3$
(2) $4y - 13$
(3) $8y + 3$
(4) $8y - 13$ ( )

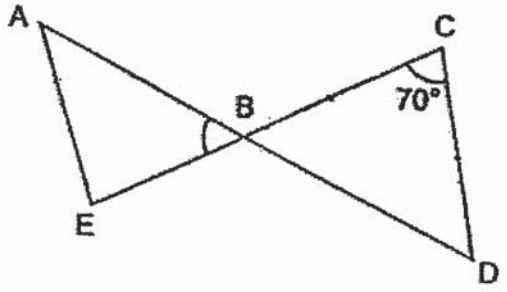
2 In the figure below, BCDE is a parallelogram. ABC is a straight line. Find $\angle ABE$.



(1) 25°
(2) 65°
(3) 75°
(4) 115° ( )

2

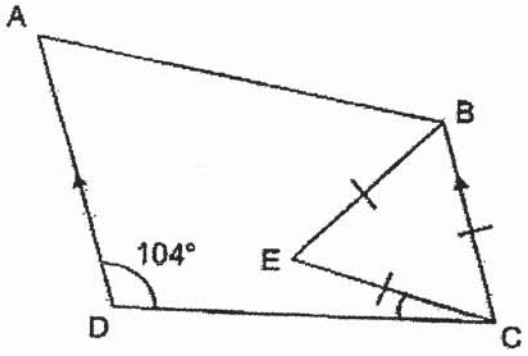
3 In the figure below, BCD is an isosceles triangle. ABD and EBC are straight lines. Find $\angle$ ABE.



(1) 35°
(2) 55°
(3) 70°
(4) 110°

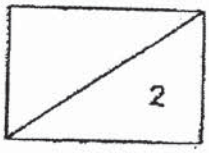
( )

4 In the figure below, ABCD is a trapezium with AD parallel to BC, BCE is an equilateral triangle and $\angle ACD = 104^0$. Find $\angle$ DCE.



(1) 16°
(2) 44°
(3) 60°
(4) 76°

( )



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

(1) $\frac{2}{9} \times \frac{3}{5}$

(2) $\frac{9}{2} \times \frac{3}{5}$

(3) $\frac{2}{9} \times \frac{5}{3}$

(4) $\frac{9}{2} \times \frac{5}{3}$ ( )

6 **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?**

(1) $\frac{3}{8}$

(2) $\frac{5}{8}$

(3) $\frac{8}{3}$

(4) $\frac{8}{5}$ ( )

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

(1) 10%

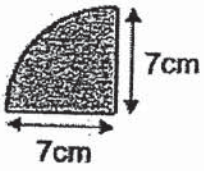
(2) 20%

(3) 25%

(4) 80% ( )

3

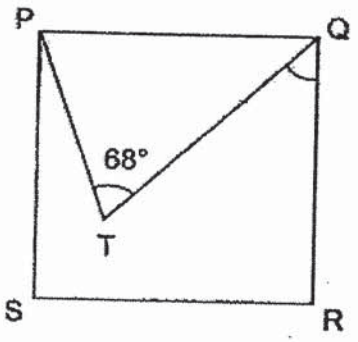
8 The shaded figure is a quadrant of radius 7 cm. ***What is the perimeter of the shaded figure?***
(Take $\pi = \frac{22}{7}$)



(1) 11 cm
(2) 18 cm
(3) 25 cm
(4) 58 cm

( )

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

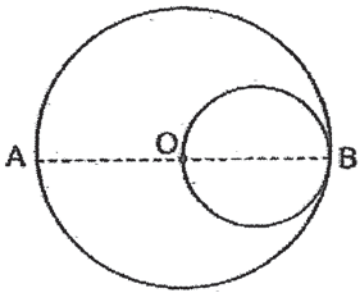


(1) 22°
(2) 34°
(3) 44°
(4) 46°

( )

2

10 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 cricle. The radius of the small circle 10cm. Find the area of the big circle in terms of π



(1) 40π cm^2

(2) 100π cm^2

(3) 300π cm^2

(4) 400π cm^2

( )

11 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?

(1) 14

(2) 16

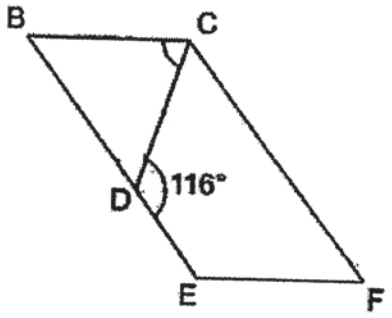
(3) 20

(4) 80

( )

3

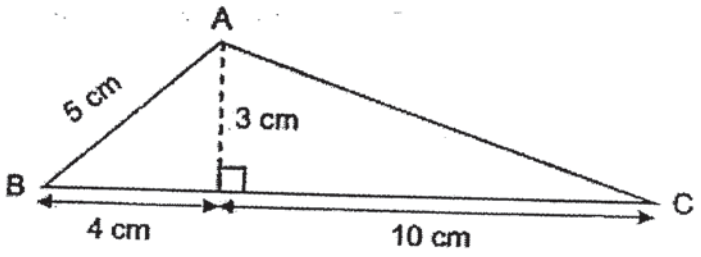
12 BCD is an isosceles triangle and BCFE is a parallelogram. BDE is a straight line. ∠ CDE = 116°. Find ∠BCD.



(1) 52°
(2) 58°
(3) 62°
(4) 64°

( )

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

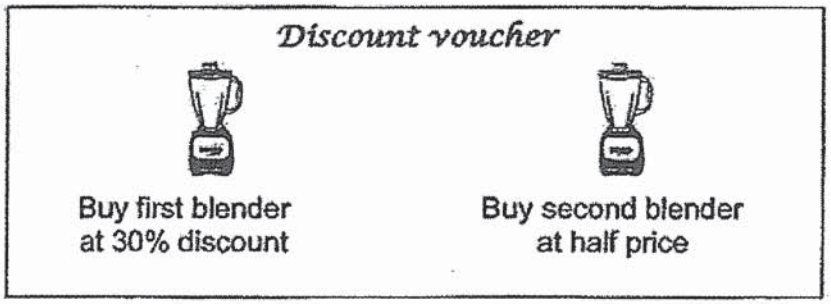


(1) 21 cm²
(2) 35 cm²
(3) 42 cm²
(4) 70 cm²

( )

4

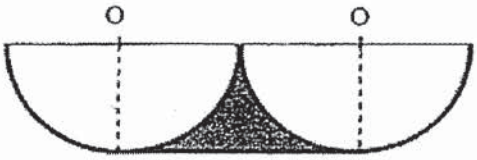
14



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

(1) $40
(2) $60
(3) $160
(4) $192 ( )

15 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 $\pi = 3.14$)



(1) 31.4 cm
(2) 35.7 cm
(3) 51.4 cm
(4) 82.8 cm ( )

4

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(5 marks)

16 Find the value of 0.56 x 40.

Ans: _____

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

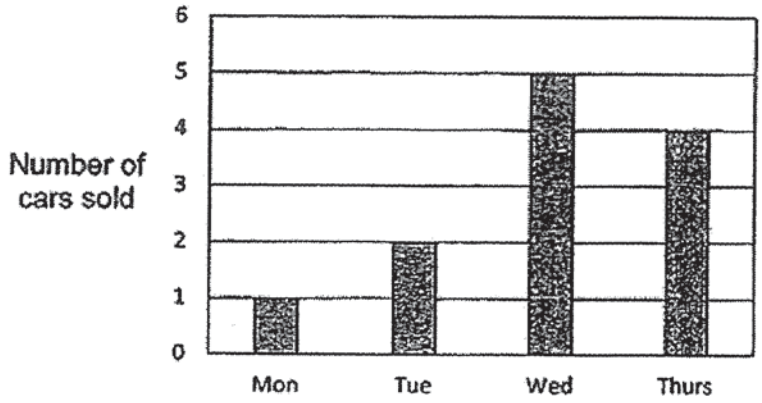
Ans: _____

18 List all the common factors of 18 and 24.

Ans: _____

3

19 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?

Ans: _____

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20 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?

Ans: $ _____

2

Questions **21** to **25** carry **2** marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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21 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?

Ans: _____

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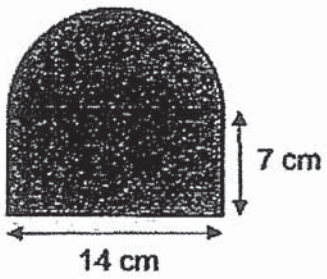
22 In a room, 21 pupils do not wear glasses. This is 30% of the total number of pupils in the room. How many pupils are there in the room?

Ans: _____

4

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



Ans: _____ cm^2

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24 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.

Ans: \$ _____

4

25 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?

Ans: _____

END OF PAPER

2

SCHOOL : RED SWASTIKA PRIMARY SCHOOL
LEVEL : PRIMARY 6
SUBJECT : MATH
TERM : 2020 CLASS TEST

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	2	2	1	3	2	3	3	4	4

Q 11	Q12	Q13	Q14	Q15
2	1	1	3	3

Q16)	0.56 X 40 = 5.6 x 4 = 22.4
Q17)	100 0000 + 909 000 + 90 = 1909090
Q18)	1,2,3,6
Q19)	Tuesday
Q20)	2
Q21)	$18 \div \frac{3}{8} = 18 \times \frac{8}{3} = \frac{18}{1} \times \frac{8}{3} = 48$
Q22)	1% →21 ÷ 30 = 0.7 100% →0.7 x 100 = 70
Q23)	175 cm2
Q24)	$(5b+20)
Q25)	1 : 3 : 2

END