Test / Exam Name: Ch-5,7,8 - Set B   Standard: 6th   Subject: Mathematics

Student Name: ....   Section: ....   Roll No.: ....

Questions: 25	Time: 02:00 hh:mm	Marks: 50

Instructions

1. Do the images for reference, if required.
2. Compulsorily write proper question numbers and do the rough work on right side

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Q1. Which is greater?   **1 Mark**

0.3 or 0.4

**Q2.** Find the sum in the following: **1 Mark**

27.076 + 0.55 + 0.004

Q3. The following fractions represent just three different numbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form.   **1 Mark**

$\frac{12}{60}$

Q4. The following fractions represent just three different numbers. Separate them into three groups of equivalent fractions, by changing each one to its simplest form.   **1 Mark**

$\frac{2}{12}$

Q5. Javed was given $\frac{5}{7}$ of a basket of oranges. What fraction of oranges was left in the basket?   **1 Mark**

Q6. Solve: **1 Mark**

$3 - \frac{12}{5}$

Q7. Fill in the blanks with acute, obtuse, right or straight: **1 Mark**

An angle whose measure is the sum of the measures of two right angles is _____.

Q8. Classify of the following angles as right, straight, acute, obtuse or reflex: **1 Mark**
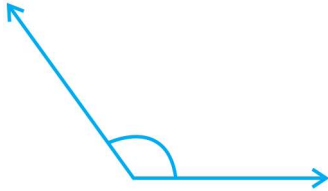
Q9. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from: **1 Mark**

3 to 9

Q10. Say True or False: **1 Mark**

Each angle of a rectangle is a right angle.

Q11. Which direction will you face if you start facing: **2 Marks**

East and make $1\frac{1}{2}$ of a revolution clockwise?

Q12. What part of a revolution have you turned through if you stand facing: **2 Marks**

South and turn clockwise to face east?

Q13. Write the largest four digit decimal number less than1using the digits 1, 5, 3 and 8 once.   **2 Marks**

Q14. Give reasons for the following: **2 Marks**

A square can be thought of as a special rectangle.
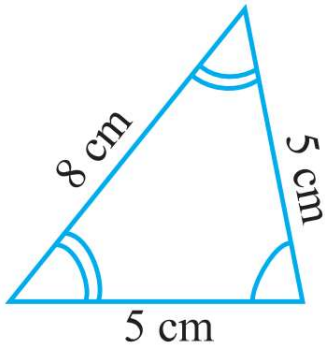
Q15. Match the following: **2 Marks**

S.No.	Measures of Triangle		Type of Triangle
i	3 sides of equal length	a.	Scalene.
ii	2 sides of equal length	b.	Isosceles right angled.
iii	All sides are of different length	c.	Obtuse angled.
iv	3 acute angles	d.	Right angled.
v	1 right angle	e.	Equilateral.
vi	1 obtuse angle	f.	Acute angled.
vii	1 right angle with two sides of equal length	g.	Isosceles.

Q16. Which direction will you face if you start facing: **2 Marks**

East and make $\frac{1}{2}$ of a revolution clockwise?
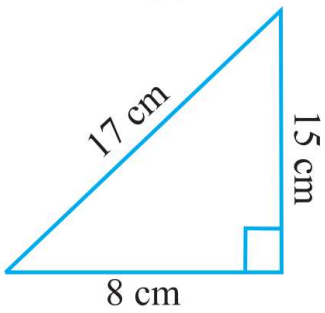
Q17. Name each of the following triangles in two different ways: **2 Marks**

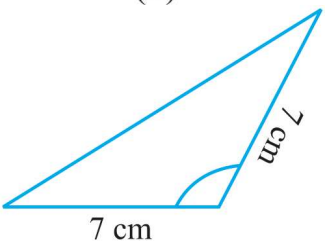(you may judge the nature of the angle by observation).

8 cm

5 cm

5 cm

(a)

17 cm

15 cm

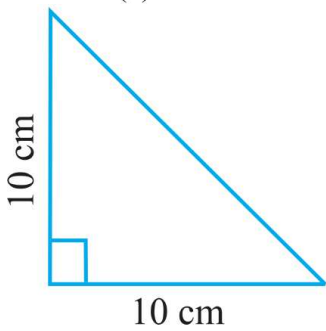8 cm
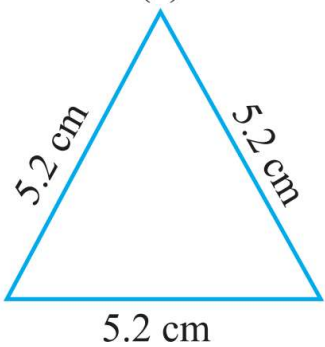
(b)

7 cm

7 cm

(c)

10 cm

10 cm

(d)

5.2 cm

5.2 cm

5.2 cm
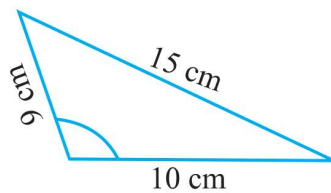
(e)

(f)

Q18. Add the fractions $\frac{3}{8}$ and $\frac{2}{3}$ — **3 Marks**

Q19. Sunita travelled 15km 268m by bus, 7km 7m by car and 500m on foot in order to reach her school. How far is her school from her residence? — **3 Marks**

Q20. Express $3\frac{2}{5}$ as a decimal. — **3 Marks**

Q21. Asha and Samuel have bookshelves of the same size partly filled with books. Asha's shelf is $\frac{5}{6}$th full and Samuel's shelf is $\frac{2}{5}$th full. Whose bookshelf is more full? By what fraction? — **3 Marks**

Q22. Subtract $\frac{1}{6}$ from $\frac{1}{2}$. — **3 Marks**

Q23. Add $1\frac{1}{4}$ and $6\frac{1}{2}$. — **3 Marks**

Q24. When Sunita weighed herself on Monday, she found that she had gained $1\frac{1}{4}$5kg. Earlier her weight was $46\frac{3}{8}$kg. What was her weight on Monday? — **4 Marks**

Q25. It was estimated that because of people switching to Metro trains, about 33000 tonnes of CNG, 3300 tonnes of diesel and 21000 tonnes of petrol was saved by the end of year 2007. Find the fraction of: — **4 Marks**
   1. The quantity of diesel saved to the quantity of petrol saved.
   2. The quantity of diesel saved to the quantity of CNG saved.