

TEST

25

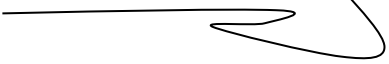
MATHEMATICS TEST 25

TIME- 75 MINUTES

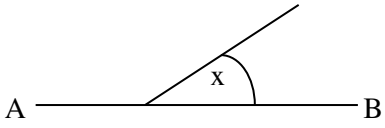
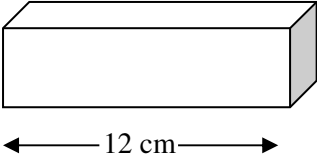
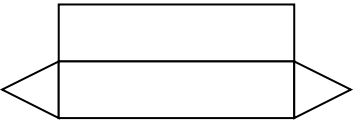
SECTION 1

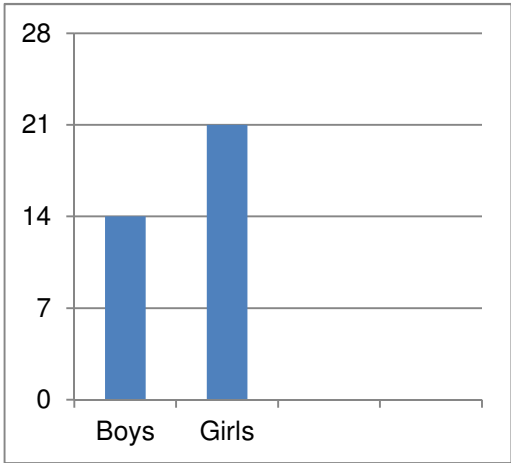
Each question is worth 1 mark. Answer ALL questions. Show ALL working in the Working Column.

No.	Items	Working Column	Marks
1.	Arrange the numbers below in order, starting with the smallest. 5846 4586 4862 5240 Answer _____		
2.	Find the square root of 900. Answer _____		
3.	If 40% of a number is 160. What is 80% of the number? Answer _____		
4.	What is the product of 65 and 86? Answer _____		
5.	Jenny had 5 cakes at a party. She cut each cake into 24 slices. If each child got one slice and there were no cake slices left, how many children attended the party? Answer _____		

6.	<p>Sherry was 15 years in 2013, in what year was she born?</p> <p>Answer _____</p>		
7.	<p>What is the perimeter of a square of side 15cm?</p> <p>Answer _____</p>		
8.	<p style="text-align: center;">12cm</p>  <p>The piece of string shown above is 12cm long. What is the length of 8 similar pieces of string?</p> <p>Answer _____</p>		
9.	<p>Kevin was paid \$18.00 an hour to paint a wall. He took 9 hours to complete the painting. How much was Kevin's pay?</p> <p>Answer _____</p>		
10.	<p>Tom pays his 15 workers a total of \$2625.00 per day. How much money does each worker receive per day?</p> <p>Answer _____</p>		

11.	<p>Dennis wants to measure the length of a tennis court in his school's playground. What is the most appropriate unit of measurement Dennis should use?</p> <p>Answer _____</p>		
12.	<p>How many grams are there in $1\frac{1}{2}$ kg?</p> <p>Answer _____</p>		
13.	<div data-bbox="386 856 699 995" data-label="Image"> </div> <p>How many lines of symmetry can be found in the parallelogram above?</p> <p>Answer _____</p>		
14.	<p>Lauren started her homework at 5:45p.m and finished at 8.05p.m. How long did she take to complete her home work?</p> <p>Answer _____</p>		

15.	 <p>If AB is a straight line, what type of angle is the angle marked x?</p> <p>Answer _____</p>		
16.	 <p>There are two square faces in the cuboid above. If the area of each square face is 9 cm^2, calculate its volume.</p> <p>Answer _____</p>		
17.	<p>Harry has \$96.00 in his wallet. What is the most number of \$5.00 notes Harry can get?</p> <p>Answer _____</p>		
18.	 <p>Complete the diagram above to show the net of a triangular prism.</p>		

19.	<p>Two numbers have a mean of 48 and one of the numbers is 45, what is the other number?</p> <p>Answer _____</p>								
20.	<p>The graph below shows the number of children in a class.</p>  <table border="1" data-bbox="277 659 784 1119"><thead><tr><th>Gender</th><th>Number of Children</th></tr></thead><tbody><tr><td>Boys</td><td>14</td></tr><tr><td>Girls</td><td>21</td></tr></tbody></table> <p>Calculate the percentage of boys in the class?</p> <p>Answer _____</p>	Gender	Number of Children	Boys	14	Girls	21		
Gender	Number of Children								
Boys	14								
Girls	21								

SECTION 2

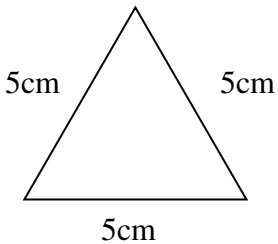
Each question is worth either 2 or 3 marks. Answer ALL questions. Show ALL working in the Working Column.

No.	Items	Working Column	Mark
21.	Find the difference between: $\sqrt{49} + 15 - \sqrt{49 + 15}$ Answer: _____ (2)		
22.	Sam gave $\frac{5}{8}$ of his apples to Fred and $\frac{3}{16}$ to Alvin. The remainder was given to Dale. What fraction of the apples was given to Dale? Answer: _____ (2)		
23.	Multiply: $6\frac{3}{4}$ by $5\frac{2}{3}$ Answer: _____ (2)		
24.	A student was asked to multiply 135 by 12. Instead he multiplied 135 by 21. By how much was his answer wrong? Answer: _____ (3)		

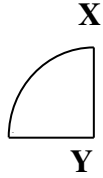
25.	<p>A child has 120 marbles. He packed them into bags containing either 8 marbles or 6 marbles. If he filled 8 bags with 6 marbles each, how many bags will be filled with 8 marbles each?</p> <p>Answer: _____ (2)</p>		
26.	<p>A vendor bought 5 boxes of pencils. Each box contained 12 dozen pencils.</p> <p>(a) How many pencils did the vendor buy?</p> <p>Answer: _____ (2)</p> <p>(b) $\frac{1}{3}$ of all the pencils were sold. How many pencils were sold?</p> <p>Answer: _____ (1)</p>		
27.	<p>At a factory, 40 bottles of juice are bottled in 5 minutes. At the same rate, how many bottles of juice will be bottled in 25 minutes?</p> <p>Answer: _____ (3)</p>		
28.	<p>Anna saved 30% of her money. If she spent \$210.00, how much money did Anna have at first?</p> <p>Answer: _____ (3)</p>		

29.	<p>Jerry purchased a bicycle marked at \$380.00. He also paid VAT of 15% on the bicycle.</p> <p>(a) Calculate the VAT paid on the bicycle.</p> <p>Answer: _____ (1)</p> <p>(b) What was the total amount Jerry had to pay for the bicycle?</p> <p>Answer: _____ (2)</p>		
30.	<p>Calculate the length of wire that will be needed to make a circular ring with a diameter of 14cm.</p> <p>Answer: _____ (2)</p>		
31.	<p>An aquarium measures 70cm x 20cm x 40cm. Calculate how many litres of water it contains when it is full? (1 000cm³ = 1 litre)</p> <p>Answer: _____ (3)</p>		

32.	<p>Raymond borrowed \$2500.00 from a bank at 8% interest per annum over a 5 year period.</p> <p>(a) Calculate the interest he had to pay.</p> <p>Answer: _____ (2)</p> <p>(b) What was the total amount he had to repay the bank?</p> <p>Answer: _____ (1)</p>		
33.	<p>Farmer Brown constructed a fence around his rectangular garden.</p> <p>(a) How many metres of fencing will he need to enclose his garden, if the length is 60m and the width is 30m?</p> <p>Answer: _____ (1)</p> <p>(b) If he placed posts every 12 metres apart to hold up the fence, how many posts did he place around the garden?</p> <p>Answer: _____ (2)</p>		

34.	<p>Shelly bought 6 drawing books and 2 markers. She spent \$29.00 altogether. A marker costs \$2.50 each.</p> <p>(a) How much will Shelly spend on a drawing book and a marker?</p> <p>Answer: _____ (2)</p> <p>(b) How much will the 6 drawing books cost?</p> <p>Answer: _____ (1)</p>		
35.	<p>A family left home at 7:25 a.m. to spend some recreation time at the savannah. They returned home three hours and twenty minutes later.</p> <p>At what time did they return home?</p> <p>Answer: _____ (2)</p>		
36.	<div style="text-align: center;">  </div> <p>(a) What type of triangle is shown above?</p> <p>Answer: _____ (1)</p> <p>(b) Draw the lines of symmetry.</p> <p style="text-align: right;">(1)</p>		

37.



The figure shows a quarter of a circle.

(a) Flip the figure along the line XY.
(1)

(b) Name the combined shape formed.


Answer: _____ (1)

38.

Complete the table below:

SHAPE	No. of Vertices	No. of Faces	No. of Edges
Triangular Based Pyramid	_____	<u>4</u>	_____

(2)

<p>39.</p>	<p>(a) In the space below draw the net of a square-based pyramid.</p> <p style="text-align: right;">(1)</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>(b) How many edges are there in the solid?</p> <p>Answer: _____ (1)</p> <p>(c) How many triangular faces are there in the solid?</p> <p>Answer: _____ (1)</p>		
<p>40.</p>	<p>A bats man scored the following runs shown below in four innings. Calculate his mean score.</p> <p style="margin-left: 40px;">1st innings - 82 2nd innings - 49 3rd innings - 0 4th innings - 65</p> <p>Answer: _____ (2)</p>		

SECTION 3

Each question is worth 5 marks. Answer ALL questions. Show ALL working in the Working Column.

41.	<p>Ria spent $\frac{1}{4}$ of her money on lunch and $\frac{1}{3}$ on a toy. She had \$20.00 left.</p> <p>(a) How much money did she have at first?</p> <p>Answer: _____ (3)</p> <p>(b) How much money did she spend on lunch?</p> <p>Answer: _____ (1)</p> <p>(c) How much did she pay for the toy?</p> <p>Answer: _____ (1)</p>		
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42.

PEARS FOR SALE

BUY 4 AND GET 1 FREE

PEARS \$5.00 EACH

Marsha purchased \$60.00 worth of pears.

- (a) How many free pears did she receive?

Answer: _____ (1)

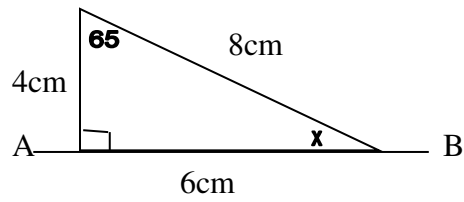
- (b) How many did she get altogether for her \$60.00?

Answer:
_____ (2)

- (c) Kelly also bought pears. She got 25 pears, how much money did she spend?

Answer: _____ (2)

43.



- (a) What type of angle is angle x above?

Answer: _____ (1)

- (b) What is the size in degrees?

Answer: _____ (2)

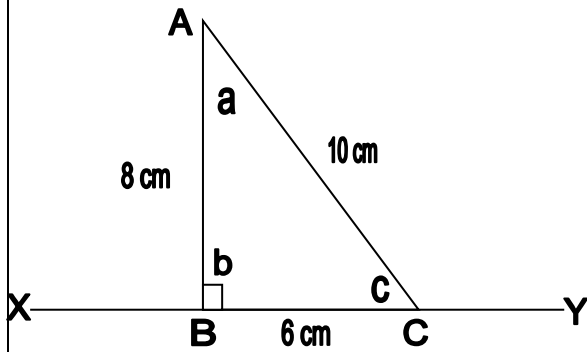
- (c) Flip the triangle along the mirror line AB.

(1)

- (d) Name the type of triangle formed with the original triangle and its shape flipped?

Answer _____ (1)

44.



(a) Name the type of triangle shown above.

Answer _____ (1)

(b) Which of the angles is the smallest?

Answer _____ (1)

(c) Arrange the angles in size starting with the largest.

Answer _____ (1)

(d) Flip the triangle ABC along the mirror line XY and draw its image.

(2)

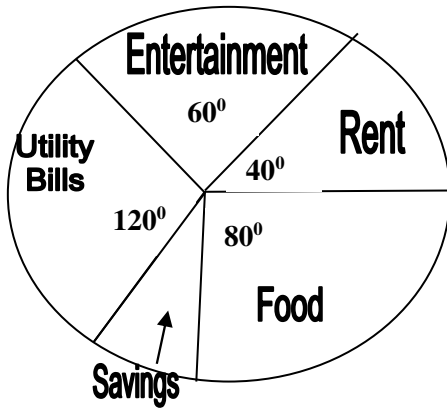
45.



(a) Draw two lines on the figure above so that it forms the net of a cuboid.
(2)

(b) The solid formed has _____ edges, _____ vertices and _____ faces.
(3)

46.



The pie chart shows how Elton spends his monthly income of \$1800.00

a) How much money is spent on rent?

Answer _____ (1)

b) How much more money was spent on utility bills than on entertainment?

Answer _____ (2)

c) How much money was saved?

Answer _____ (2)

End of Test 25