

Questions **1** to **10** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated.

(20 marks)

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1. On each weekday, Denise receives \$2.50 from her father. She gets \$2 more on each day on Saturday and Sunday. How much does Denise get in a week?

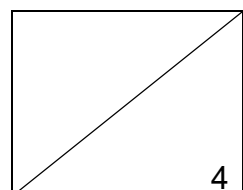
Ans: \$ \_\_\_\_\_

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2. Lincoln ate  $\frac{1}{8}$  of a pizza. 4 of his friends share the remaining pizza. What fraction of the pizza did each friend receive?

Ans: \_\_\_\_\_

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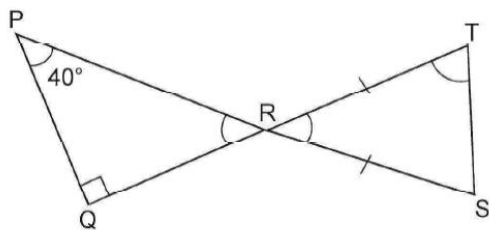


3. A jar contains 900 g of pineapple jam. Karen uses 100 g of the jam to make 20 pineapple tarts. How many pineapple tarts can Karen make with the whole jar of pineapple?

Ans: \_\_\_\_\_

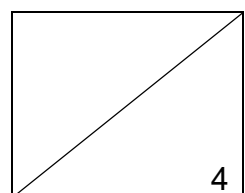
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4. In the figure below, PQR is a right-angled triangle.  $\angle QPR = 40^\circ$  and  $RS = RT$ . PRS and QRT are straight lines. Find  $\angle RTS$ .



Ans: \_\_\_\_\_<sup>°</sup>

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5. Tony made 32 cards. 12 of them were 'Birthday' cards and the rest were 'Thank You' cards. What fraction of the cards were 'Thank You' cards? Give your answer in the simplest form.

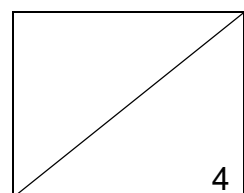
Ans: \_\_\_\_\_

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6. Daniel is 172 cm. He is 15 cm taller than Harry and 5 cm shorter than Larry. What is the difference in height between Harry and Larry?

Ans: \_\_\_\_\_

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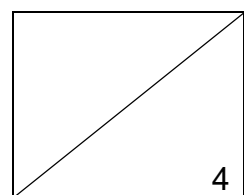
7. Pail A contained 3 times as much water as pail B. Vivian added 0.3 ℓ of water to pail A and 1.5 ℓ of water to pail B. The two pails had the same amount of water in the end. How much water was there in pail B at first?

Ans: \_\_\_\_\_ ℓ

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8. There were 660 spectators at a football stadium. 55% of them were males. How many females were there?

Ans : \_\_\_\_\_



9. After Mdm Tan used 205 cm of string to tie a present, there was 120 cm of string left. What was the length of string at first, in metres?



Ans: \_\_\_\_\_ m

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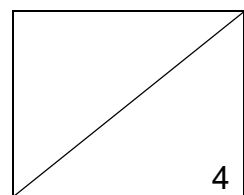
10. There are some markers and crayons in a drawer.

The total number of markers is  $\frac{4}{11}$  of the total number of markers and crayons.

There are 105 more crayons than markers. How many markers are there in the drawer?

Ans: \_\_\_\_\_

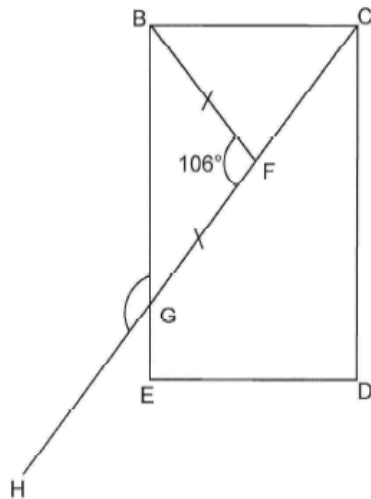
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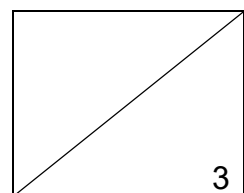
For questions **11** to **16**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question.

(20 marks)

11. BCDE is a rectangle. BFG is an isosceles triangle. HC is a straight line. Find  $\angle BGH$ .



Ans: \_\_\_\_\_ [3]



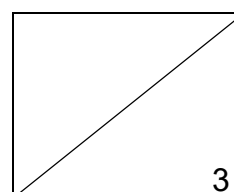
12. Ben and Charlie read the timetable shown below for the train that leaves the train station for the airport.

Leaves train station	Arrives at airport
8.35 a.m.	9.20 a.m.
8.55 a.m.	9.40 a.m.
9.20 a.m.	10.05 a.m.
9.50 a.m.	10.30 a.m.
10.30 a.m.	11.15 a.m.

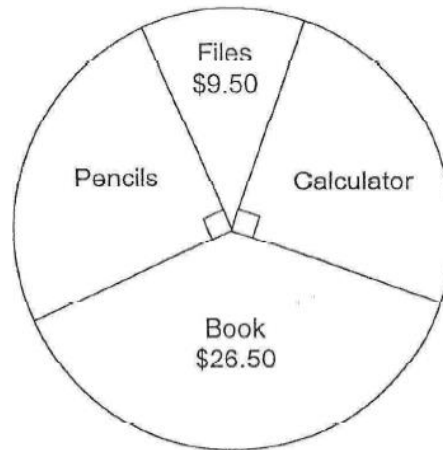
- a) Ben wants to catch the latest train that will get him to the airport by 9.50 a.m. At what time does this train leave the train station?
- b) Charlie wants to catch the train that leaves at 8.55 a.m., but he is 35 minutes late. What is the earliest time he can arrive at the airport by train?

Ans: (a) \_\_\_\_\_ [1]

Ans: (b) \_\_\_\_\_ [2]



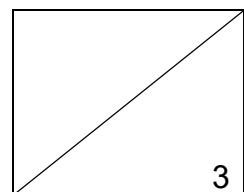
13. The pie chart below shows the money spent by Sarah on four types of stationery.



- a) Each file cost \$1.90. How many files did she buy?
- b) How much money did she spend on the pencils and the calculator altogether?

Ans: (a) \_\_\_\_\_ [1]

Ans: (b) \_\_\_\_\_ [2]



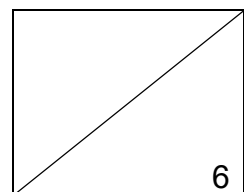


14. Wendy baked some cakes to sell. She sold  $\frac{3}{5}$  of her cakes in the morning and  $\frac{1}{4}$  of the remainder in the afternoon. She had 12 cakes left in the end.

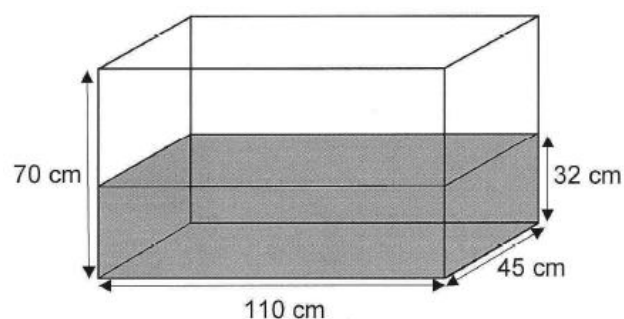
How many cakes did she bake?

Ans: \_\_\_\_\_ [3]

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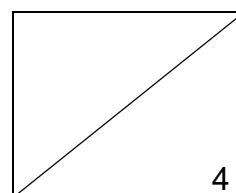
15. A rectangular tank measures 110 cm by 45 cm by 70 cm. It was filled up with water to a height of 32 cm. Additional water was poured into the tank to make it half full.



- (a) What was the height of water level when it was half full?  
(b) How many litres of water were poured into the tank?

Ans: (a) \_\_\_\_\_ [1]

Ans: (b) \_\_\_\_\_ [3]



16. Sally had \$267.85 and Andy had \$845.75. After each of them had received the same amount of money from their mother. Andy had 3 times as much money as Sally.

- a) How much less money did Sally have then Andy at first?
- b) How much money did each of them receive from their mother?

Ans: (a) \_\_\_\_\_ [1]

Ans: (b) \_\_\_\_\_ [3]

