

PSLE MATHEMATICS (FOUNDATION)
PAPER 1 (BOOKLET A)

Questions **1** to **10** carry 1 mark each. Questions **11** to **20** carry 2 marks each. For each question, four options are given. Write your answer (1, 2, 3 or 4) in the brackets provided. The use of a calculator is **NOT** allowed in this paper.

(30 marks)

1. Which digit in the number 8 657 is in the hundreds place?

- (1) 5
- (2) 6
- (3) 7
- (4) 8

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2. Which one of the following is the same as 78 902?

- (1) $7000 + 800 + 90 + 2$
- (2) $7000 + 800 + 900 + 2$
- (3) $70\ 000 + 8000 + 90 + 2$
- (4) $70\ 000 + 8000 + 900 + 2$

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3. What is the missing number in the box?

$$5\frac{5}{6} = \frac{\boxed{?}}{6}$$

- (1) 16
- (2) 25
- (3) 30
- (4) 35

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4. Which of the following fractions is the greatest?

- (1) $\frac{1}{2}$
- (2) $\frac{2}{5}$
- (3) $\frac{3}{7}$
- (4) $\frac{3}{8}$

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5. I have 11 blue pens and 6 red pens in my pencil case.
What fraction of the pens in my pencil case is red?

(1) $\frac{6}{11}$

(2) $\frac{5}{11}$

(3) $\frac{6}{17}$

(4) $\frac{11}{17}$

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6. In the number pattern below, what is the missing number in the box?

9.25, 9.55, 9.85, ?, 10.45

(1) 9.88

(2) 10.05

(3) 10.15

(4) 10.42

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7. Express 0.15 as a fraction in the simplest form.

(1) $\frac{3}{10}$

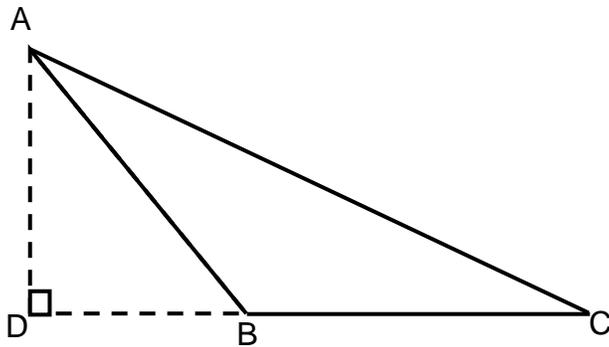
(2) $\frac{3}{15}$

(3) $\frac{3}{20}$

(4) $\frac{3}{25}$

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8. What is the base of the triangle ABC when AD is the height?



(1) AB

(2) BC

(3) DB

(4) DC

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9. The figure below is made up of 5 identical squares.

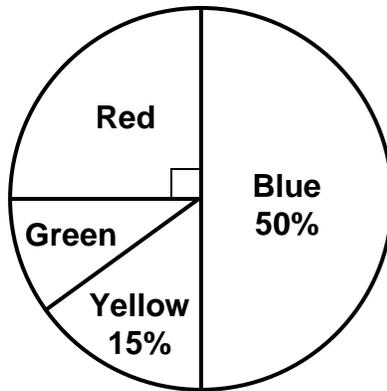


What percentage of the figure is shaded?

- (1) 10%
- (2) 20%
- (3) 25%
- (4) 80%

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The pie chart below shows the Colour Houses of 40 pupils in a class. Study it carefully and answer questions 10 and 11.



10. What percentage of the pupils are in the Green House?

- (1) 10%
- (2) 25%
- (3) 35%
- (4) 75%

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11. How many pupils are in the Yellow House?

- (1) 20
- (2) 10
- (3) 6
- (4) 4

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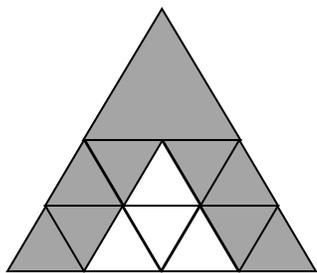
12. Ann took 25 minutes to walk to the library from her house. She left home at the time shown below. At what time did she arrive at the library?

- (1) 11 30
- (2) 11 55
- (3) 12 20
- (4) 13 20



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13. What fraction of the figure is **shaded**?

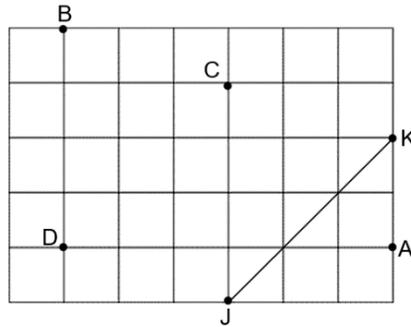


- (1) $\frac{1}{4}$
- (2) $\frac{1}{3}$
- (3) $\frac{4}{13}$
- (4) $\frac{3}{4}$

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14. In the square grid below, which of the following lines, when drawn, is perpendicular to JK?

- (1) AB
- (2) CD
- (3) AC
- (4) BJ



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15. The table shows the amount of money Jim saved from January to April.

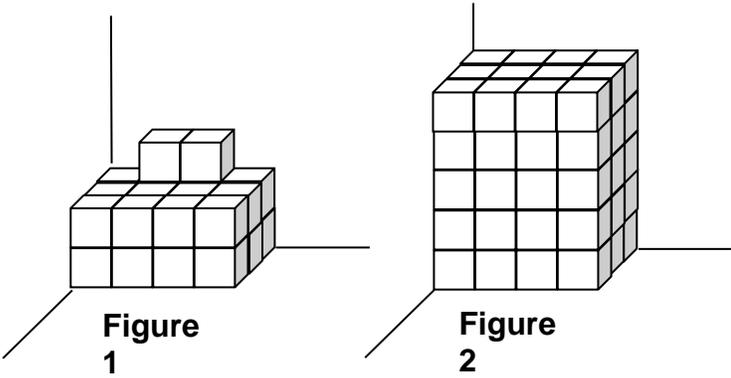
Months	Amount saved
January	\$20
February	\$40
March	\$45
April	\$30
May	?

What was the amount of money Jim saved in May if the average amount of money he saved from January to May is \$32?

- (1) \$25
- (2) \$32
- (3) \$64
- (4) \$160

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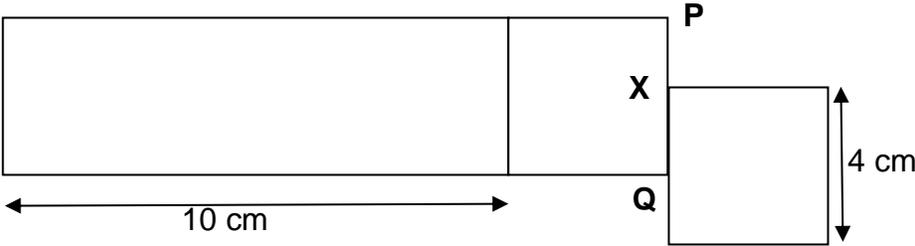
16. How many more cubes must you add to Figure 1 to form Figure 2?



- (1) 26
- (2) 34
- (3) 36
- (4) 60

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17. The diagram below, not drawn to scale, is made up of a rectangle and two identical squares. X is the mid-point of Line PQ.

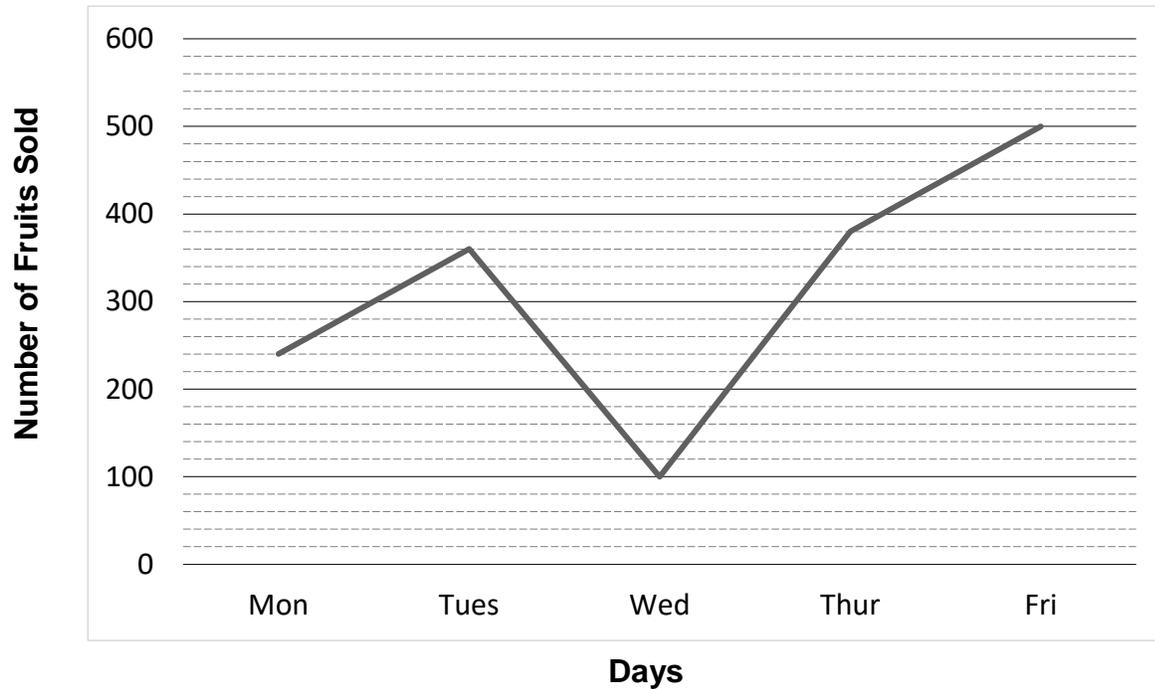


Find the perimeter of the figure.

- (1) 48 cm
- (2) 52 cm
- (3) 56 cm
- (4) 72 cm

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18. The line graph below shows the number of fruits sold by a fruiterer over 5 days. Study the graph and answer the question below.



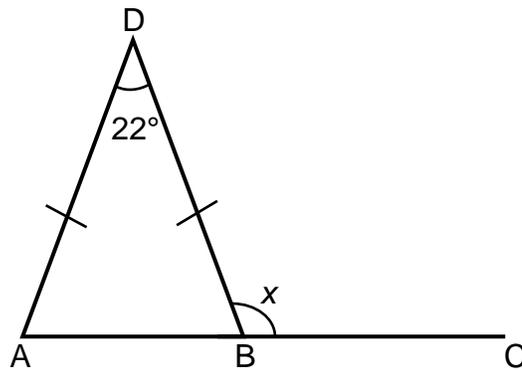
Which period shows the greatest increase in the sales of the fruits?

- (1) Monday to Tuesday
- (2) Tuesday to Wednesday
- (3) Wednesday to Thursday
- (4) Thursday to Friday

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19. In the figure below not drawn to scale, ABC is a straight line, ABD is an isosceles triangle. Find $\angle x$.

- (1) 22°
- (2) 79°
- (3) 101°
- (4) 158°



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20. Leo took 2 h 30 min to complete his household chores. He stopped doing his chores at 1.05 pm. At what time did he start doing his chores?

- (1) 10.35 am
- (2) 11.35 am
- (3) 1.25 pm
- (4) 3.35 pm

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End of Booklet A

PSLE MATHEMATICS (FOUNDATION)
PAPER 1 (BOOKLET B)

Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. The use of a calculator is **NOT** allowed in this paper.

(20 marks)

21. Use the digits below to form the smallest 5-digit odd number.

Each digit can only be used once.



Ans: _____

22. Express $\frac{23}{3}$ as a mixed number.

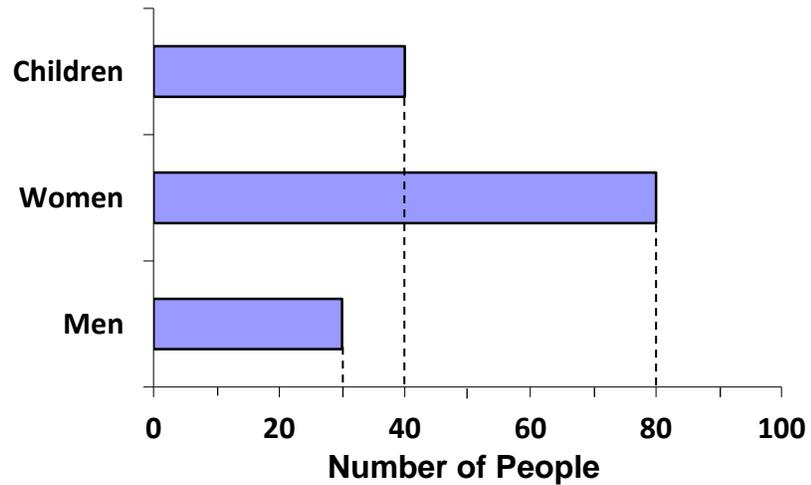
Ans: _____

23. Remy spent an average of \$3 per day from Monday to Friday.
He spent an average of \$5 per day for Saturday and Sunday.
How much did he spend in one week?

Ans: \$ _____

24. Use the information below to answer questions 24a and 24b.

The graph shows the number of people in a theatre during a musical performance.

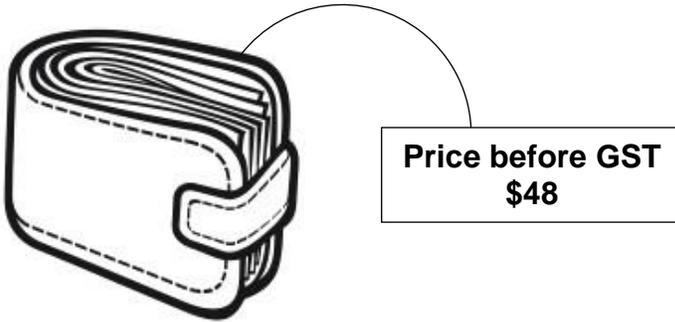


- (a) How many more women than men were there during the performance?
- (b) Find the total number of people who attended the performance.

Ans: (a) _____

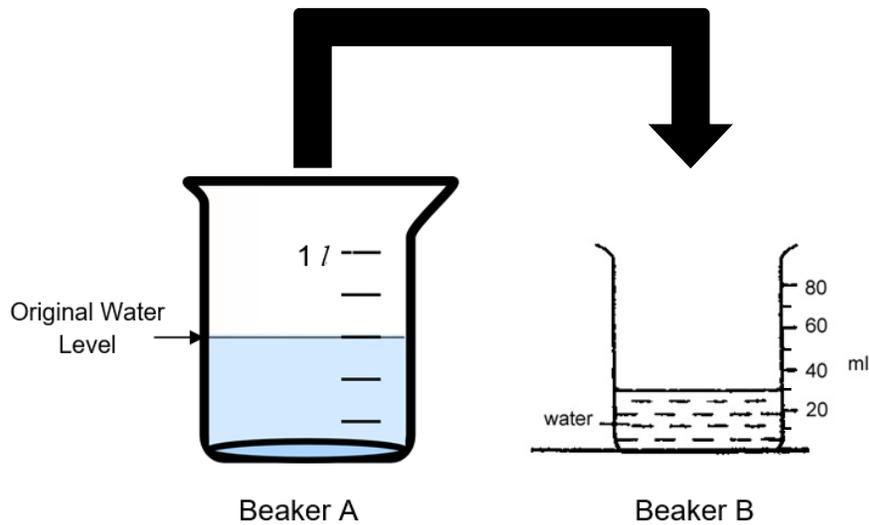
(b) _____

25. Kim bought a smartphone at a sale. She has to pay an additional 7% for GST. How much did she pay in all?



Ans: \$ _____

26. The figure below shows beaker A and beaker B. At first, there is some water in Beaker A and no water in beaker B.



Gloria then pours some water from beaker A to beaker B. How much water is left in beaker A?

Ans: _____ ml

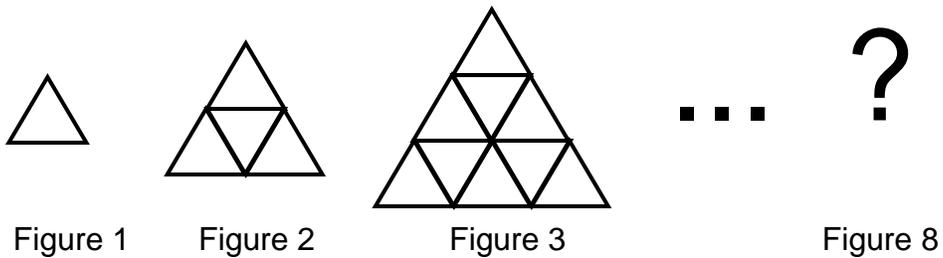
27. June weighed 60.7 kg in the year 2017. Her mass is 52.3 kg in the year 2018. How much weight did she lose? Give your answer in grams.

Ans: _____ g

28. Amos collected some plastic bottles. He gave away 69 of them for recycling and had $\frac{2}{5}$ of them left. How many bottles did Amos collect?

Ans: _____

29. The first three figures in a pattern are shown.
How many triangles will Figure 8 have?



Ans: _____

30. Karen gave away 80% of her dresses and threw away 30 spoiled dresses. She had 10 dresses left. How many dresses did Karen have at first?

Ans: _____

END OF PAPER 1

PSLE MATHEMATICS (FOUNDATION)
PAPER 2

Questions 1 to 10 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. Use of calculator is **ALLOWED.**
(20 marks)

1. 98 people attended a concert. There were 16 more adults than children.

Find the number of children at the concert.

Ans: _____

2. A given number is a multiple of 4. It is between 10 and 20. It is also a factor of 36. What is the number?

Ans: _____

3. Jimmy ran around a square court once. If he ran a total of 48 m, what is the length of each side of the square court?

Ans: _____ m

4. What is the missing number in the box?

$$\frac{3}{7} = \frac{45}{\boxed{?}}$$

Ans: _____

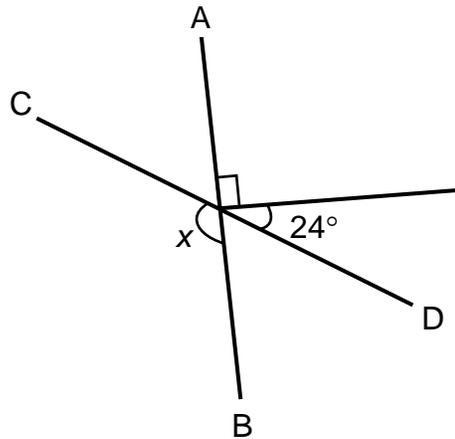
5. Daniel spends 20% of his monthly salary on food and 15% on transport. He then saves the rest of his money. If he saves \$2275, how much is his monthly salary?

Ans: \$ _____

6. Mariam has a piece of rope 10 m long. She cuts them into equal pieces, each $\frac{6}{7}$ m long, except for the last rope which is less than $\frac{6}{7}$ m long. What is the length of the last rope?

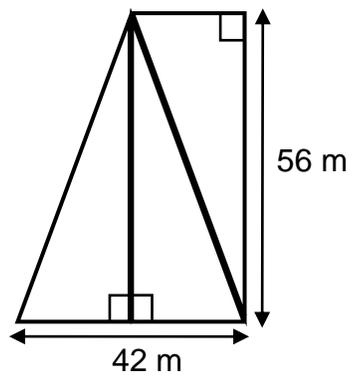
Ans: _____ m

7. In the diagram below not drawn to scale, AB and CD are straight lines.
Find $\angle x$.



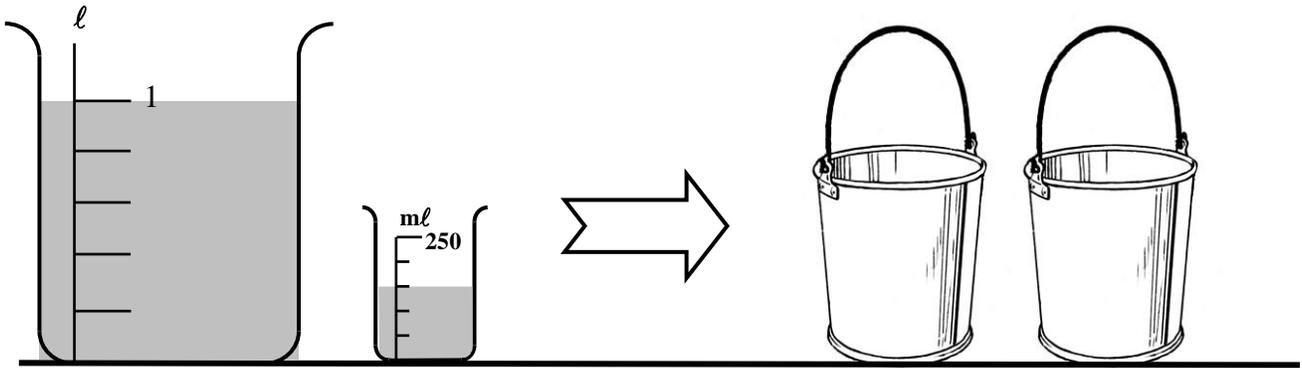
Ans: _____^o

8. The figure below not drawn to scale is made up of three identical right-angled triangles. Find the area of the figure.



Ans: _____ m²

9. The total amount of water in the beakers below is poured into 2 pails without spilling. Each pail has the same amount of water.
How much water is there in each pail? Give your answer in $m\ell$.



Ans: _____ $m\ell$

10. Mike went to the mall at 11.50 a.m. He left the mall at 2.10 p.m.
How long was he at the mall? Give your answer in hours and minutes.

Ans: _____ h _____ min

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

(20marks)

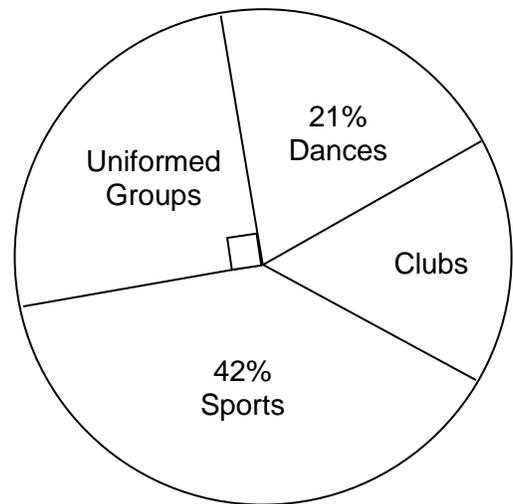
11. Michael had an equal number of \$2 notes and \$5 notes.
He had \$42 altogether. What was the total value of \$5 notes Michael had?

Ans: _____ [3]

12. Amy has 3 times as much savings as Billy. Charlie has \$70 more savings than Billy. How much savings does Charlie have if their total savings is \$815?

Ans: _____ [3]

13. A group of pupils was asked on their preference of the different types of CCA. The pie chart below represents their preference.
- (a) What fraction of the pupils chose Clubs as their favourite type of CCA?
- (b) 75 pupils chose Uniformed Groups as their favourite type of CCA. How many pupils chose Dances as their favourite CCA?

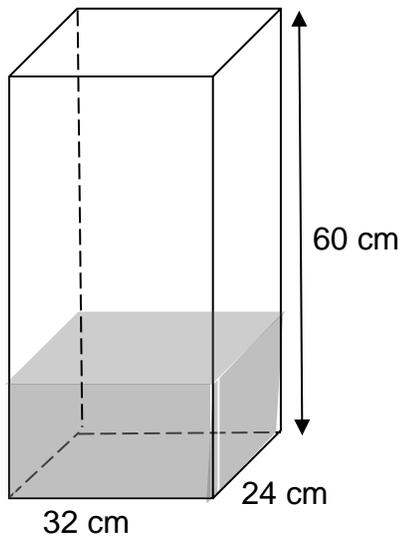


Ans: (a) _____ [1]

(b) _____ [2]

14. A rectangular tank 32 cm long, 24 cm wide and 60 cm high, contains some water as shown in the figure below. The height of the tank is thrice the height of the water level.

- (a) What is the height of the water level in the tank?
(b) How much more water is needed to fill the tank completely, without overflowing? (Express your answer in litres.)



Ans: (a) _____ [1]

(b) _____ [2]

15. The table below shows the daily payment rates for a restaurant worker.

Day	Rate
Monday to Friday	\$20 per day
Saturday and Sunday	\$30 per day

- (a) Jim worked from Tuesday to Sunday. How much was he paid?
- (b) If Jim was paid \$110 for working 5 days continuously, which day could he have started to work?

Ans: (a) _____ [2]

(b) _____ [2]

16. Study the advertisement below.

Birthday Party Catering

Enjoy home delivery!

Chicken with dressing	\$ 59.50
Box of banana fritters	\$ 29.50
Cocktail	\$ 9.50
Cake	\$ 35.50

Plus delivery charge of 10% on the order.

Aunt Lizie ordered a chicken, a box of banana fritters and a cake.

- (a) How much was the total cost of ordering the food with the delivery charge?
- (b) How much change did she receive if she paid the delivery man \$150 ?

Ans: (a) _____ [2]

(b) _____ [2]

END OF PAPER 2