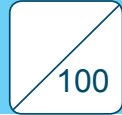


Revision Test 1



PAPER 1 (20 + 20 = 40 marks) The use of calculators is not allowed.

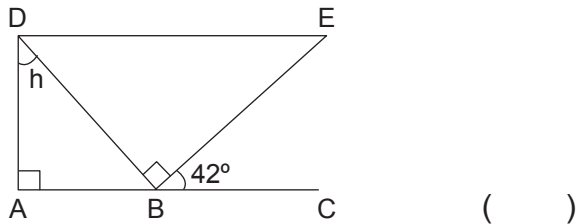
BOOKLET A (20 marks)

**Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
Choose the correct answer and write its number in the brackets provided.**

- What is the value of the digit 4 in 135.847?
(1) 4 tenths
(2) 4 tens
(3) 4 hundredths
(4) 4 hundreds ()
- What is the value of 0.87×100 ?
(1) 0.0087
(2) 8.7
(3) 87
(4) 870 ()
- 4 m 5 cm is the same as _____ cm.
(1) 405
(2) 450
(3) 4005
(4) 4500 ()
- There are 37 students in a martial arts class. There are 9 more male students than female students. What fraction of the students are male?
(1) $\frac{14}{37}$
(2) $\frac{23}{37}$
(3) $\frac{28}{37}$
(4) $\frac{29}{37}$ ()
- Express $2\frac{3}{4}$ as a decimal.
(1) 2.15
(2) 2.34
(3) 2.43
(4) 2.75 ()
- 0.811 m rounded off to the nearest centimetre is _____.
(1) 0.8 cm
(2) 80 cm
(3) 81 cm
(4) 811 cm ()

7. In the figure below, ADB and BDE are right-angled triangles. ABC is a straight line. Find the angle marked h .

- (1) 21°
 (2) 24°
 (3) 42°
 (4) 48°



8. The ratio of the length of a rectangle to its breadth is $6 : 1$. If the length is $36x$ cm, the perimeter of the rectangle is _____ cm.

- (1) $42x$ (3) $84x$
 (2) $74x$ (4) $252x$ ()

9. The average of four numbers is 7. If 12 is added to the four numbers, what will the new average be?

- (1) 7 (3) 9
 (2) 8 (4) 10 ()

10. Peter saved 15% more than Wayne. If Peter saved \$2300, how much did Wayne save?

- (1) \$2000 (3) \$4300
 (2) \$4255 (4) \$4945 ()

11. Samantha was given a sum of pocket money on Monday. She used \$3.80 to buy a storybook on Tuesday. On Wednesday, Samantha ran some errands for her mother and was given \$7. On Thursday, she spent 65¢ on a pencil. If she had \$9.50 left, how much pocket money was she given on Monday?

- (1) \$5.05 (3) \$12.05
 (2) \$6.95 (4) \$20.95 ()

12. Cynthia had \$8 in her travelling bus pass. Each bus trip would use up $\frac{4}{5}$ of a dollar. How many bus trips could she travel using her travelling bus pass?

- (1) 6 trips (3) 10 trips
 (2) 8 trips (4) 12 trips ()

13. The rental rates of a holiday chalet is shown below.

Weekdays	\$48 per day
Saturdays and Sundays	\$70 per day

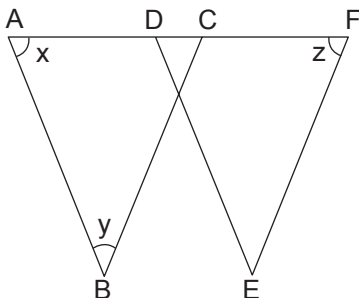
Mr Fernando rented a holiday chalet for a week. How much did he pay?

- (1) \$336 (3) \$446
 (2) \$380 (4) \$490 ()
14. At a shop, a book costs \$1.90 more than a pen. A pen costs \$3 less than a pencil case. If the total cost of the three items is \$13.30, how much does the book cost?
- (1) \$2.80 (3) \$4.90
 (2) \$4.70 (4) \$5.80 ()
15. Ally spent 25% of her money on a pair of shoes and the rest on some dresses. If Ally spent \$150 on the dresses, how much was the pair of shoes?
- (1) \$37.50 (3) \$112.50
 (2) \$50 (4) \$450 ()

BOOKLET B (20 marks)

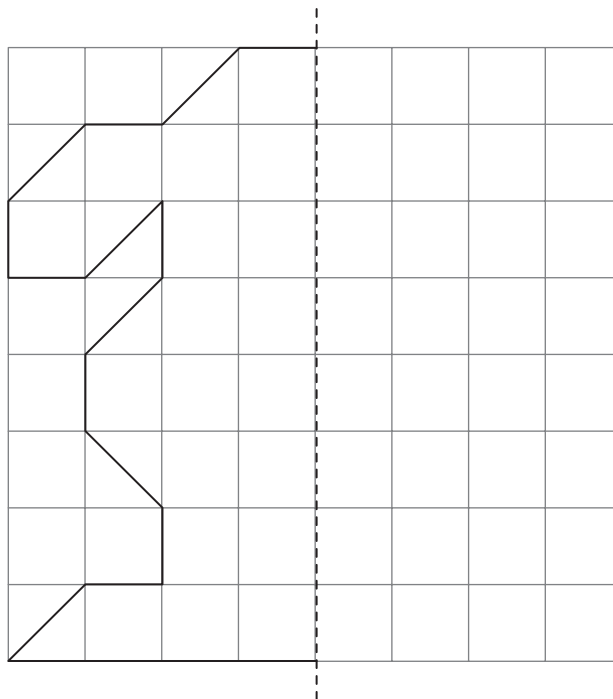
Questions 16 to 25 carry 1 mark each. Questions 26 to 30 carry 2 marks each. Write your answers on the lines provided.

16. ABC and DEF are identical triangles. What is the sum of $\angle x$, $\angle y$ and $\angle z$?



17. Find the value of $2\frac{1}{8} - 1\frac{3}{4}$.

18. Shade the unit shape in the tessellation below.



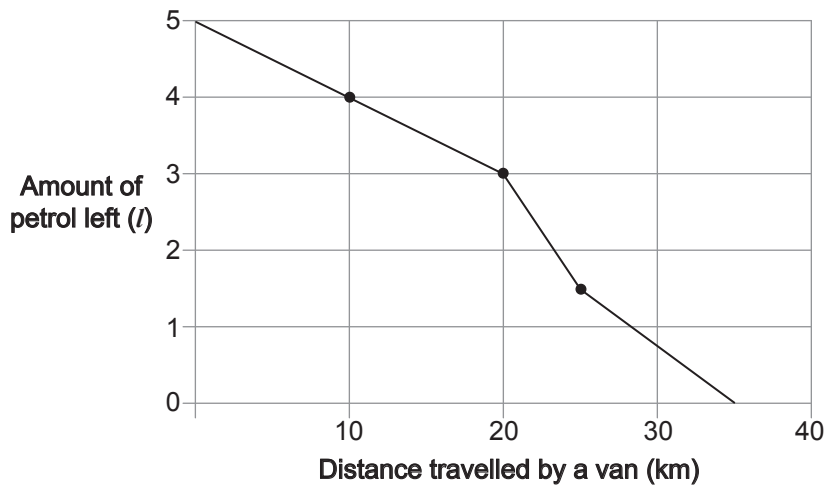
19. Uncle Paul bought a digital camera for \$300. He sold his camera to a colleague at a discount of 15%. How much did he sell the digital camera for?

20. Natalie bought 4 similar skirts and 6 similar dresses for \$426. If one such skirt and one such dress cost \$96, find the cost of each dress.

21. Draw a line of symmetry for the figure below.



The graph below shows the distance travelled by a van and the amount of petrol it had left. Study the graph below and answer questions 22 to 24.

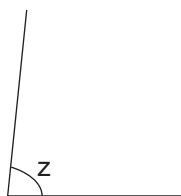


22. How much petrol was consumed after the van had travelled 20 km? _____

23. How far did the van travel with 5 l of petrol? _____

24. On the average, how far did the van travel with 1 l of petrol? _____

25. Measure $\angle z$.



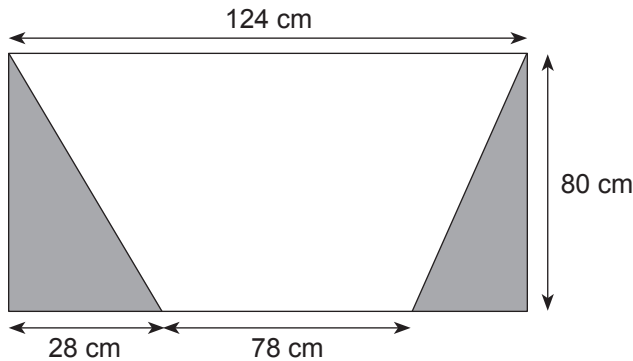
26. Find the value of $\frac{6y + 4y + 5}{11}$ when $y = 5$. _____

27. Clifford called Jacob at quarter past two in the afternoon and promised to meet Jacob in half an hour's time. However, Clifford was 15 minutes late. At what time did Clifford arrive? _____

28. 2 hundredths 8 tenths 28 ones written as a decimal is

29. If A is 4 times B and B is 6 times C, find the ratio A : B : C.

30. The figure below shows two triangles in a rectangle. Find the area of the unshaded part.

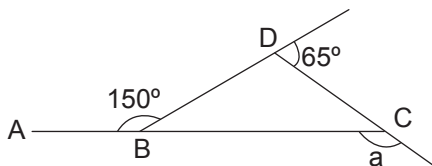


 **PAPER 2 (10 + 50 = 60 marks) The use of calculators is allowed.**
SHORT-ANSWER (10 marks)

Questions 31 to 35 carry 2 marks each. Write your answers on the lines provided.

31. $\frac{1}{8} + \frac{3}{8} = \square \times \frac{1}{4}$

32. Find the value of $\angle a$.



33. What is 20% of 3 m 25 cm?

34. Adam bought 3 books at \$9.25 each. How much change would he receive if he gave the cashier a fifty-dollar note?

35. A tin of sardines has a mass of 325 g. 60 such tins of sardines are packed for delivery in a box. If the empty box has a mass of 1.44 kg, what is the total mass of a box of 60 tins of sardines? Express your answer to the nearest kilogram. _____

 **STRUCTURED / LONG-ANSWER (50 marks)**

For questions 36 to 48, show your working clearly and write your answers in the space provided. The marks are shown in the brackets.

36. There are 45 waitresses and 50 waiters in a chain of restaurants. 60% of them are new staff, 50% of the remaining staff are on contract and the rest are permanent staff. How many permanent staff are there? **[3]**

- 37.** The table below shows the fare for hiring a taxi. How much did Rita have to pay if she travelled 1.4 km? **[3]**

First 240 m	\$3.20
Every 100 m thereafter or less for the next 800 m	\$0.22
Every 120 m thereafter	\$0.15

- 38.** At a seminar, 28% of the participants were Malaysians. There were 7% more Singaporeans than Malaysians. The rest were Indonesians. If the number of Indonesians was 910 fewer than the total number of Singaporeans and Malaysians, how many Indonesians attended the seminar? **[3]**

41. \$90 is shared between Claire, Eliza and Melissa. Claire receives $\frac{5}{8}$ of the money and Eliza receives $\frac{2}{3}$ of the remainder. How much more does Claire receive than Melissa? [4]

42. The ratio of the perimeter of a square field to that of a rectangular field is 3 : 2. If each side of the square field is 9 m, find
- (a) the perimeter of the rectangular field. [2]
- (b) the width of the rectangular field if its length is 8 m. [2]

43. $\frac{3}{5}$ of Donna's coins were twenty-cent coins, 25% of them were fifty-cent coins and the rest were one-dollar coins. If there were \$20 worth of fifty-cent coins, find the total amount of money that Donna had. **[4]**

44. Mr Jones pays \$375 for his mobile bill every month. Mrs Jones pays $\frac{2}{5}$ as much as Mr Jones for her mobile bill every month. They decide to cut down on their mobile bills. Mr Jones' mobile bill is reduced by $\frac{1}{5}$ in the following month and Mrs Jones' mobile bill is reduced by $\frac{1}{6}$.
- (a) How much does Mrs Jones pay for her mobile bill every month? **[1]**
- (b) How much do both of them pay for their mobile bills in the following month? **[3]**

45. There are 600 people at a beach. $\frac{2}{3}$ of them are men while the rest are women and children. $\frac{1}{3}$ of the number of women equals to $\frac{1}{2}$ of the number of children. If $\frac{1}{10}$ of the women and $\frac{1}{4}$ of the children cannot swim, how many women and how many children can swim? **[4]**

46. The average length of rope A, rope B and rope C is $(60 + 5r)$ m. Rope A is twice as long as rope B and $1\frac{1}{2}$ times as long as rope C.
- (a) Express the total length of the three ropes in terms of r . **[1]**
- (b) If $r = 8$, find the length of rope C. Give your answer in mixed numbers. **[3]**

- 47.** Marie bought some albums and picture frames as gifts for a party. Each album cost \$18 and each picture frame cost \$3 less. The ratio of the number of picture frames to the number of albums that she bought was 4 : 3. She paid a total of \$1026 for all the albums and picture frames.
- (a) How many albums and picture frames did she buy in all? **[2]**
- (b) If Marie did not buy any picture frames, how many more albums could she buy with the same amount of money? **[2]**
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- 48.** The average mass of Harry and William is 65.2 kg. The average mass of William and Charlie is 58.6 kg.
- (a) Find the average mass of Harry and Charlie if William has a mass of 62.3 kg. **[3]**
- (b) Find the total mass of the three boys. **[2]**