

Trial Test

SECTION A

Questions 1 to 15 carry 2 marks each. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided. (15 × 2 marks)

1. The smallest number that can be formed from digits 1, 2, 4 and 8 is _____.

(1) 1824

(3) 1284

(2) 1428

(4) 1248

()

2. How many angles does Figure A have?

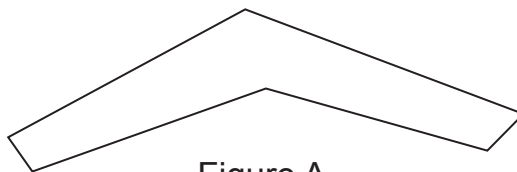


Figure A

(1) 3

(2) 4

(3) 5

(4) 6

()

3. $9 \times 7 = 100 -$ _____

(1) 37

(2) 45

(3) 54

(4) 63

()

4. Miss Gibb printed 3856 pages of worksheets for her students in March and April. She printed 1384 pages in April. How many pages of worksheets did Miss Gibb print in March?

(1) 2472

(3) 5024

(2) 2742

(4) 5240

()

5. Which of the following is equivalent to $\frac{1}{2}$?

(1) $\frac{7}{12}$

(2) $\frac{4}{8}$

(3) $\frac{4}{6}$

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

()

6. Susan walks 300 m to her school every day. If she takes the same route for 5 days, what is the total distance that she has walked?

- (1) 1200 m (3) 1800 m
(2) 1500 m (4) 3500 m ()

7. Mrs Lee mixed 3 l of orange juice with 1 l 400 ml of apple juice. How much juice did Mrs Lee make?

- (1) 1403 ml (3) 4300 ml
(2) 1430 ml (4) 4400 ml ()

8. Emerson and Andy collected 5 kg 200 g of newspapers. What was the mass of newspapers collected by Emerson if Andy collected 3 kg 500 g?

- (1) 1600 g (3) 1700 g
(2) 1650 g (4) 1750 g ()

9. $1 - \frac{1}{12} - \frac{1}{6} = \underline{\hspace{2cm}}$

- (1) $\frac{11}{12}$ (3) $\frac{3}{4}$
(2) $\frac{5}{4}$ (4) $\frac{1}{12}$ ()

10. $\square \square \square \square \square \square = 42$

What is $\square \square \square \square$?

- (1) 7 (3) 28
(2) 14 (4) 35 ()

14. George cut a pizza into 12 equal slices. He gave 4 slices to his neighbour and ate 3 slices. What fraction of the pizza was left?

(1) $\frac{1}{4}$

(3) $\frac{5}{12}$

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

(4) $\frac{7}{12}$

()

15. 10 tens + 30 ones = 10 hundred – _____ ones

(1) 40

(3) 870

(2) 130

(4) 960

()

SECTION B

Questions 16 to 30 carry 2 marks each. Write your answers on the lines provided. (15 × 2 marks)

16. Study the number line below. Fill in each box with the correct answer.

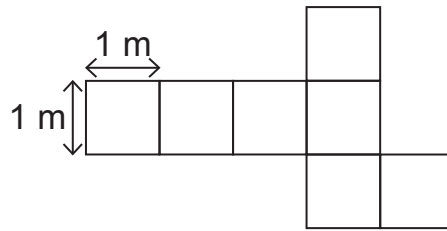


17. Andrew took 13 min to cycle from home to his school. If he arrived at 11.45 am, at what time did he leave the house?

18. There is $5 \frac{1}{680}$ m^l of water in a pot. Another $1 \frac{1}{250}$ m^l is needed to fill the pot completely. What is the capacity of the pot?

_____ m^l

19. What is the perimeter of the figure shown below?

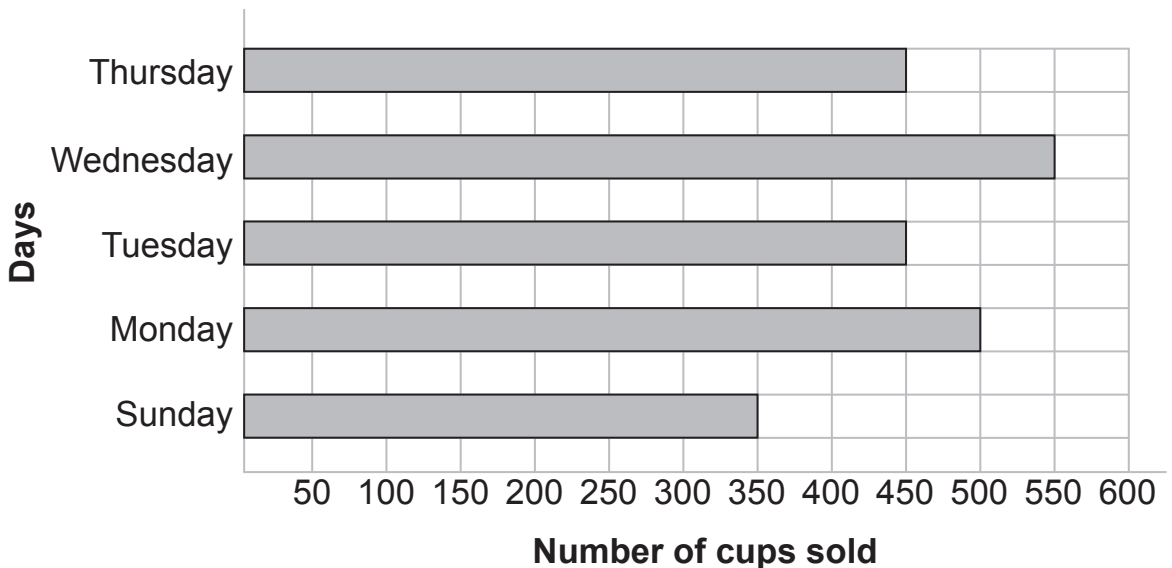


_____ cm

20. Do the following sum. Show your working clearly.

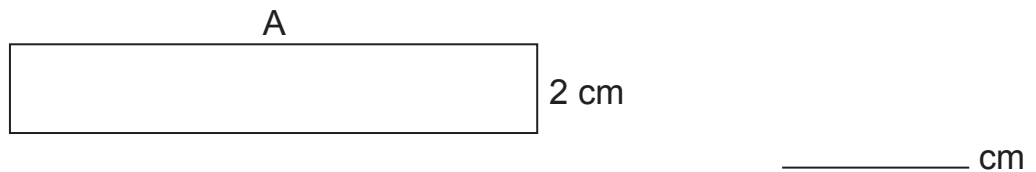
$$5 \overline{) 483}$$

The bar graph below shows the sale of orange juice at a drink stall. Study the bar graph carefully and answer questions 21 to 23.



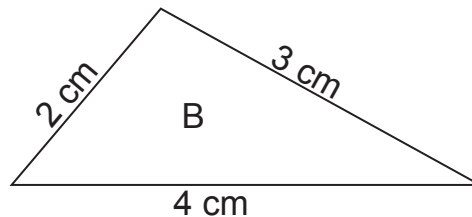
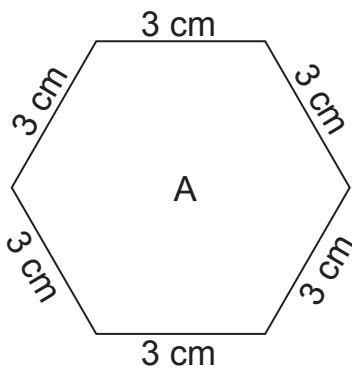
21. How many cups of orange juice were sold on Sunday and Tuesday?
_____ cups
22. How many fewer cups of orange juice were sold on Tuesday than on Wednesday?
_____ fewer cups
23. What was the total number of cups of orange juice sold on weekdays?
_____ cups

24. The area of the rectangle is 24 cm^2 . Find the length of A.



25. The mass of Marie and her son is 72 kg. Marie is 3 times as heavy as her son. What is Marie's mass?
_____ kg

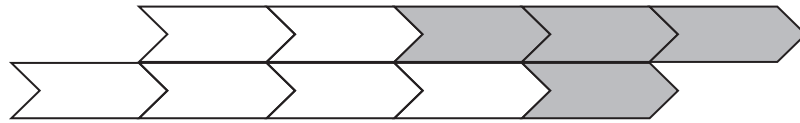
26. Study Figure A and Figure B.



The perimeter of Figure A is times the perimeter of Figure B.

27. is 25 min before 12.15 midnight.

28. What fraction of the figure shown below is unshaded? Express your answer in its lowest terms.



29. Number Y is a 2-digit number. When it is divided by 4, it has a remainder of 3. When its quotient is multiplied twice, it is 42. What is Number Y?

30. What is the sum of all the numbers in tens from 310 to 390?

SECTION C

For questions 31 to 42, show your working clearly in the space and write your answers on the lines provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

31. Celine used 75 min to draw a birthday card for her friend. She spent another 15 min to wrap the present. How much time did Celine use in all? Express your answer in hours and minutes. [2]

Ans: _____

32. Audrey earns \$15 an hour for working in a restaurant. She works 3 days in a week. How much does Audrey earn in a week if she works 5 hours a day? [3]

Ans: _____

- 33.** Gordon needs another 3125 ml of water to fill a container completely. If the capacity of the container is 3910 ml, how much water is in the container? [2]

Ans: _____

- 34.** Fiona and Fanny shared 500 pieces of paper for their school project. If Fanny used 186 more pieces of paper than Fiona, how many pieces of paper did Fiona use for the school project? [3]

Ans: _____

35. Jamie sold 355 stalks of roses and 116 more stalks of carnations than roses in a week.

(a) How many stalks of flowers did Jamie sell in a week? [2]

(b) If Jamie sold an equal number of flowers every day, how many stalks of flowers did she sell daily? [2]

Ans: (a) _____

(b) _____

36. Anna used 15 litres of water for her laundry. She used 2 litres of water for cleaning the bathtub.

(a) How much more water did Anna use to wash her laundry than clean the bathtub? Express your answer in millilitres. [2]

(b) How much water did Anna use in all? Express your answer in litres. [2]

Ans: (a) _____

(b) _____

37. Aloysius spends 30 min daily playing computer games from Monday to Friday. He spends 40 min daily playing computer games on Saturday and Sunday.

(a) How long does Aloysius spend playing computer games on weekdays? Express your answer in hours and minutes. [2]

(b) How much more time does Aloysius spend playing computer games on weekdays than on weekends? Express your answer in minutes. [2]

Ans: (a) _____

(b) _____

38. Uncle Peter has 1280 chairs.

(a) How many chairs are in each row if he has to arrange the chairs equally into 10 rows? [2]

(b) How many more rows of chairs are there if he wants to arrange the chairs into rows of 8 instead of rows of 10? [3]

Ans: (a) _____

(b) _____

39. Betty had saved 100 one-dollar coins and 85 fifty-cent coins in a box.

(a) How much money did she have in all? [3]

(b) How much more money did she need if she wanted to save \$200? [2]

Ans: (a) _____

(b) _____

40. A fruiterer sold 5 times as many apples as lemons in a week. If he had sold 570 apples and lemons that week, how many more apples than lemons did the fruiterer sell that week? [3]

Ans: _____

41. 200 new books are distributed to three libraries. Library A receives 15 more books than Library B. Library B receives 25 more books than Library C. How many new books are there in each library? [3]

Ans: _____

42. Two ropes had an equal length at first. 16 m of the first rope was cut. 20 m of another rope was tied to the second one. As a result, the length of the second rope became thrice that of the first rope. What was the original length of each rope? [2]

Ans: _____

Solutions:

Trial Test

1. (4)

2. (4)

Figure A has 6 angles.

3. (1)

$$9 \times 7 = 63$$

$$100 - 63 = 37$$

4. (1)

$$3856 - 1384 = 2472$$

5. (2)

$$\frac{4}{8} = \frac{2}{4} = \frac{1}{2}$$

6. (2)

$$5 \times 300 = 1500 \text{ m}$$

7. (4)

$$3 \text{ l} + 1 \text{ l} + 400 \text{ ml} = 4 \text{ l} + 400 \text{ ml}$$

$$4 \text{ l} + 400 \text{ ml} = 4400 \text{ ml}$$

8. (3)

$$5 \text{ kg } 200 \text{ g} = 5200 \text{ g}$$

$$3 \text{ kg } 500 \text{ g} = 3500 \text{ g}$$

$$5200 - 3500 = 1700 \text{ g}$$

9. (3)

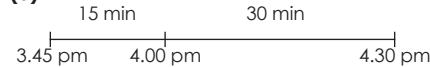
$$1 - \frac{1}{12} - \frac{1}{6} = \frac{12}{12} - \frac{1}{12} - \frac{2}{12} = \frac{9}{12} = \frac{3}{4}$$

10. (3)

$$42 \div 6 = 7$$

$$4 \times 7 = 28$$

11. (3)

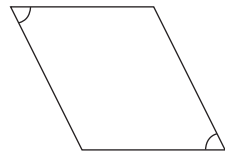


12. (4)

$$8 \times 2 \text{ l} = 16 \text{ l}$$

$$16 \text{ l} = 16\,000 \text{ ml}$$

13. (2)



14. (3)

$$12 - 7 = 5$$

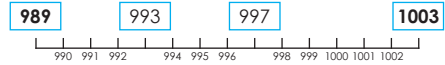
$$\frac{\text{Number of slices of pizza left}}{\text{Total slices of pizza}} = \frac{5}{12}$$

15. (3)

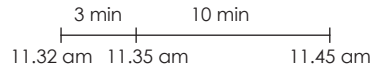
$$100 + 30 = 130$$

$$1000 - 130 = 870$$

16. 989; 1003



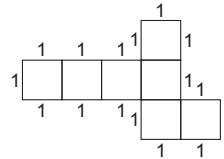
17. 11.32 am



18. 6930

$$5680 + 1250 = 6930 \text{ ml}$$

19. 16



20.

$$\begin{array}{r} 161 \\ 3 \overline{) 483} \\ \underline{- 3} \\ 18 \\ \underline{- 18} \\ 3 \\ \underline{- 3} \\ 0 \end{array}$$

21. 800

$$350 + 450 = 800$$

22. 100

$$550 - 450 = 100$$

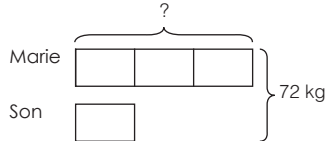
23. 1950

$$500 + 450 + 550 + 450 = 1950$$

24. 12

$$24 \div 2 = 12 \text{ cm}$$

25. 18



$$4 \text{ units} \rightarrow 72 \text{ kg}$$

$$1 \text{ unit} \rightarrow 72 \div 4 = 18 \text{ kg}$$

$$18 \times 3 = 54 \text{ kg}$$

26. 2

$$\text{Perimeter of Figure A: } 6 \times 3 = 18 \text{ cm}$$

$$\text{Perimeter of Figure B: } 2 + 3 + 4 = 9 \text{ cm}$$

$$18 \div 9 = 2$$

27. **11.50 pm**



28. $\frac{3}{5}$

$$\frac{6}{10} = \frac{3}{5}$$

29. **87**

$$42 \div 2 = 21$$

$$21 \times 4 = 84$$

$$84 + 3 = 87$$

30. **3150**

$$31 + 32 + 33 + 34 + 35 + 36 + 37 + 38 + 39$$

$$= 315 \text{ tens} = 3150$$

31. **1 h 30 min**

$$75 \text{ min} + 15 \text{ min} = 90 \text{ min}$$

$$60 \text{ min} = 1 \text{ h}$$

$$90 \text{ min} = 1 \text{ h } 30 \text{ min}$$

Celine used 1 h 30 min in all.

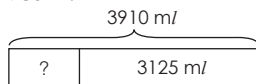
32. **\$225**

$$5 \times \$15 = \$75$$

$$3 \times \$75 = \$225$$

Audrey earns \$225 in a week.

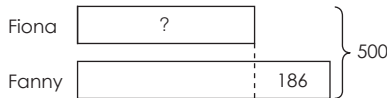
33. **785 m^l**



$$3910 - 3125 = 785 \text{ m}^l$$

785 m^l of water is in the container.

34. **157**

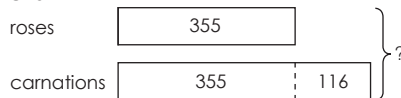


$$500 - 186 = 314$$

$$314 \div 2 = 157$$

Fiona used 157 pieces of paper for the school project.

35. (a) **826**

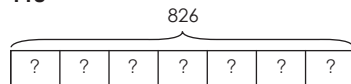


$$355 + 116 = 471$$

$$355 + 471 = 826$$

Jamie sold 826 stalks of flowers in a week.

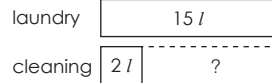
(b) **118**



$$826 \div 7 = 118$$

She sold 118 stalks of flowers daily.

36. (a) **13 000 m^l**



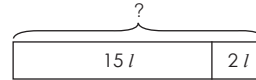
$$15 - 2 = 13 \text{ l}$$

$$1 \text{ l} = 1000$$

$$13 \text{ l} = 13 \times 1000 = 13\,000$$

Anna used 13 000 m^l more water to wash her laundry.

(b) **17 l**



$$15 + 2 = 17 \text{ l}$$

Anna used 17 l of water in all.

37. (a) **2 hr 30 min**

$$5 \times 30 = 150 \text{ min}$$

$$60 \text{ min} = 1 \text{ h}$$

$$150 \text{ min} = 2 \text{ h } 30 \text{ min}$$

Aloysius spends 2 h 30 min playing computer games on weekdays.

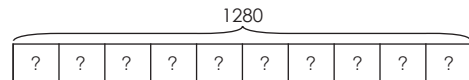
(b) **70 min**

$$2 \times 40 = 80 \text{ min}$$

$$150 - 80 = 70 \text{ min}$$

Aloysius spends 70 min more playing computer games on weekdays than on weekends.

38. (a) **128**



$$1280 \div 10 = 128$$

128 chairs are in each row.

(b) **32**

$$1280 \div 8 = 160$$

$$1280 \div 10 = 128$$

$$160 - 128 = 32$$

There are 32 more rows of chairs.

39. (a) **\$142.50**

2 fifty-cent coins make \$1.

$$85 \div 2 = 42.5$$

$$\$100 + \$42.50 = \$142.50$$

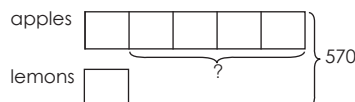
She had \$142.50 in all.

(b) **\$57.50**

$$\$200 - \$142.50 = \$57.50$$

She needed \$57.50 more.

40. **380**



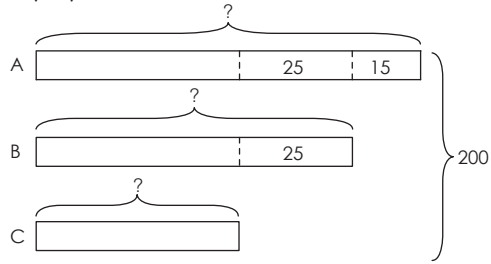
$$6 \text{ units} \rightarrow 570$$

$$1 \text{ unit} \rightarrow 570 \div 6 = 95$$

$$4 \text{ units} \rightarrow 4 \times 95 = 380$$

The fruiterer sold 380 more apples than lemons that week.

41. 85, 70, 45



$$200 - 15 - 25 - 25 = 135$$

$$135 \div 3 = 45$$

There are 45 new books in Library C.

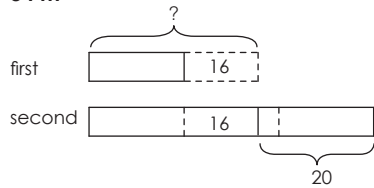
$$45 + 25 = 70$$

There are 70 new books in Library B.

$$70 + 15 = 85$$

There are 85 new books in Library A.

42. 34 m



$$2 \text{ units} \rightarrow 16 + 20 = 36 \text{ m}$$

$$1 \text{ unit} \rightarrow 36 \div 2 = 18 \text{ m}$$

$$18 + 16 = 34 \text{ m}$$

The original length of each rope was 34 m.