

Second Term Test — Practice Paper
Primary 5 Mathematics

Name: _____

Class: _____ No.: _____

Time allowed: **45 minutes**

Date: _____

No. of pages: **7**

Section A: 16%

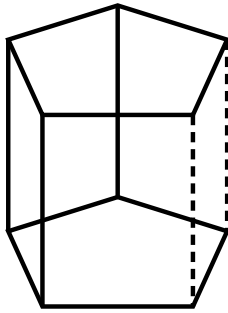
- | | |
|---|----------|
| 1. $64 \times 25 - 56 \times 25 = ?$ | 1. _____ |
| 2. $31.47 - 12.9 + 18.53 - 2.1 = ?$ | 2. _____ |
| 3. $14.25 \times 0.2 \times 5 = ?$ | 3. _____ |
| 4. $7\frac{3}{8} - 4\frac{5}{6} + 2\frac{1}{4} = ?$ | 4. _____ |
| 5. $38.4 \times 20 \times 0.25 = ?$ | 5. _____ |
| 6. $2\frac{2}{9} \times 1\frac{1}{2} \times 3\frac{3}{5} = ?$ | 6. _____ |
| 7. $3\frac{3}{4} \div 1\frac{7}{8} = ?$ | 7. _____ |
| 8. $5\frac{5}{6} \div 2\frac{1}{3} = ?$ | 8. _____ |

Section B: 20%

- | | |
|---|-----------|
| 1. Write three hundred and six million and forty-five thousand in numerals. | 1. _____ |
| 2. Find the H.C.F. of 36 and 60. | 2. _____ |
| 3. Round off the product of 0.07×4.3 to the nearest tenth. | 3. _____ |
| 4. In the number 61.482, what is the place value of the digit 8? | 4. _____ |
| 5. Use 0, 1, 2, 3, 4, 7 to form the largest 6-digit even number. | 5. _____ |
| 6. If $m = 9$, then $72 \div m = ?$ | 6. _____ |
| 7. How many faces are there in a hexagonal pyramid? | 7. _____ |
| 8. Amy is y years old. Her father is 4 times as old as Amy. How old is her father? | 8. _____ |
| 9. A ribbon is b cm long. It is cut into 5 equal pieces. How long is each piece? | 9. _____ |
| 10. The length of a rectangle is p cm. The width is one quarter of the length. What is the width? | 10. _____ |

Section C: 30%

1 Look at the 3-D shape below and fill in the blanks. (3%)



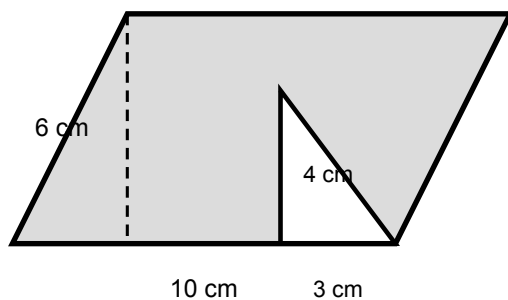
2 (a) What is to the north-east of the Hostel? (b) If Jenny goes south from the Park, where will she reach? (c) If Jenny wants to go from the Cinema to the Kiosk, in which direction should she go? (3%)

Cinema	Car Park	Playground
Kiosk	Hostel	Park
Canteen	Church	Bookshop

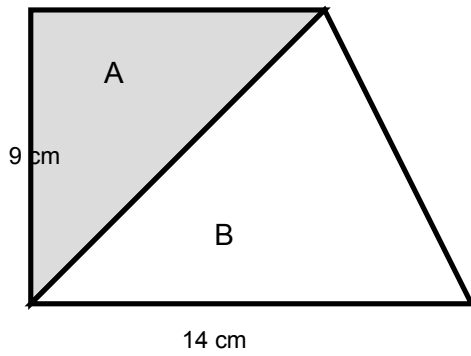


3 Find a suitable unit of measurement: (a) the capacity of a bottle of water is about 335 _____ (b) the length of a finger span is about 20 _____ (c) the weight of a man is about 80 _____ (3%)

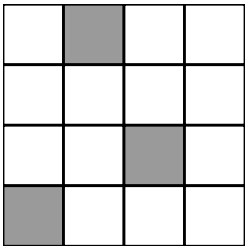
4 Find the area of the shaded part of the figure. (2%)



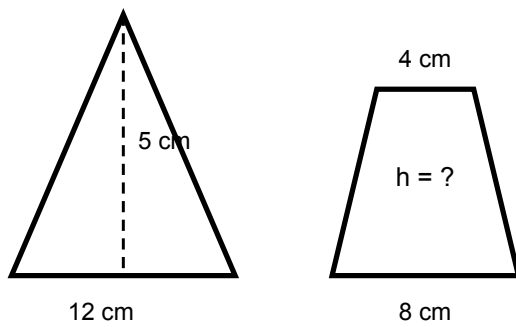
5 The area of triangle A is 45 cm^2 . Find the area of triangle B. (2%)



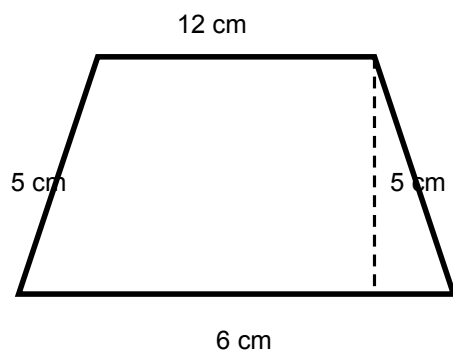
6 What fraction of the figure is shaded? (2%)



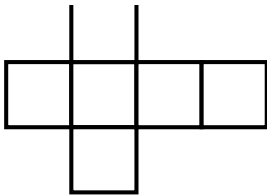
7 The areas of the triangle and the trapezium are equal. Find the height of the trapezium. (2%)



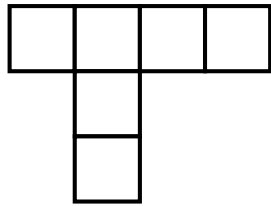
8 The perimeter of the trapezium is 28 cm. Find its area. (2%)



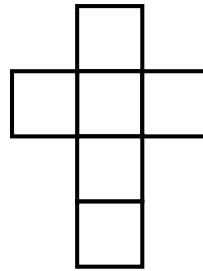
9 Put a ✓ if the net can be folded into a cube; put a ✗ if it cannot. (3%)



A ()



B ()

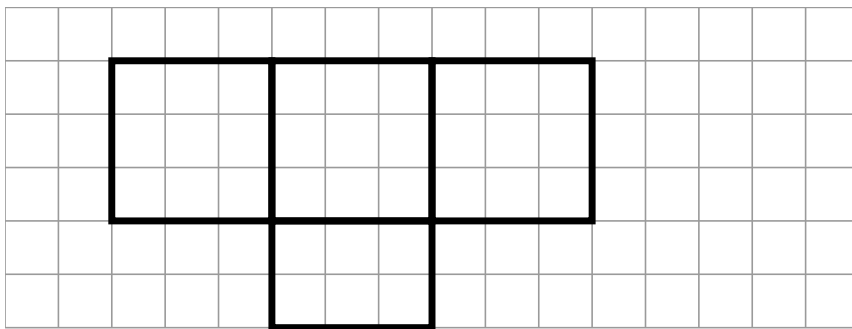


C ()

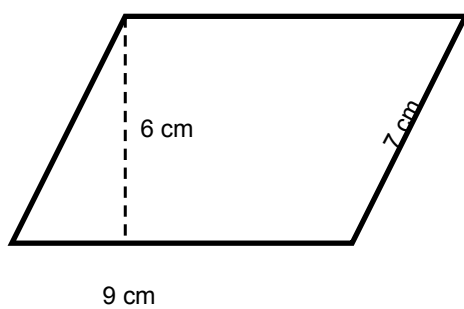
10 Use plasticine balls and sticks to make 3-D shapes. Complete the table. (4%)

3-D shape	Number of sides of each base	Number of plasticine balls used	Number of sticks used
Pyramid N	7	?	?
Prism M	10	?	?

11 Draw the missing part of the net so that it can be folded into a cuboid. (2%)



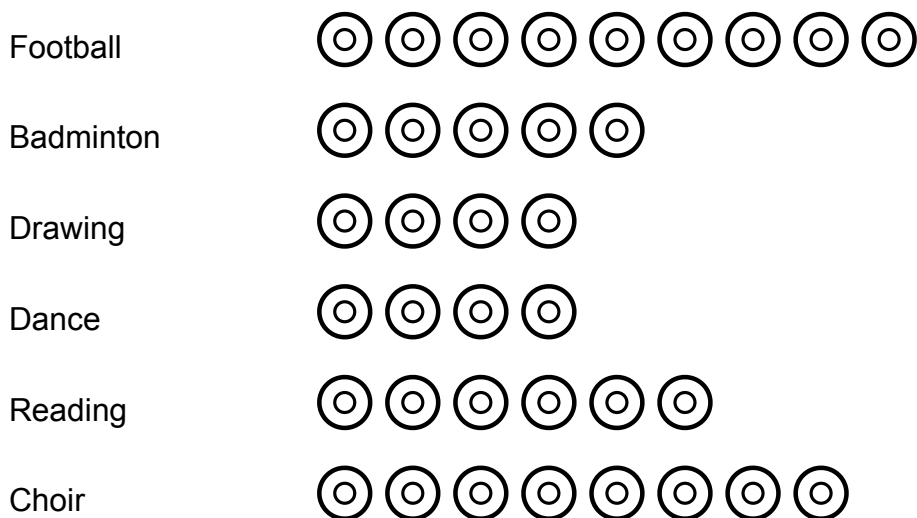
12 Find the area of the figure. (2%)



Section D: (10%)

Read the pictogram. Then answer the questions.

Pupils in different activity groups



Each symbol stands for 6 pupils.

- | | |
|--|----------|
| 1. Which was the most favourite activity? | 1. _____ |
| 2. The number of pupils who joined the Badminton Club is _____ more than the number of pupils who joined the Dance Club. | 2. _____ |
| 3. Which 2 activity groups had the same number of participants? | 3. _____ |
| 4. What fraction of the pupils joining the Choir joined the Reading Club? | 4. _____ |
| 5. What was the average number of pupils in each activity group? | 5. _____ |

Section E: 24% (Write the statements and show all working steps)

1. The perimeter of a rectangular playground is 240 m. Its length is 75 m. Find its area. (4%)

2. A cuboid is 12 cm long, 8 cm wide and 5 cm high. Find its volume. (4%)

3. A bottle holds 1.5 L of juice. It is poured equally into 6 cups. How many mL are there in each cup? (4%)

4. 2.4 kg of flour is packed into bags of 0.15 kg each. How many bags are needed? (4%)

5. A tank 40 cm long, 25 cm wide and 18 cm high is half filled with water. How many litres of water are there? (4%)

6. Miss Lee bought 3.5 kg of apples at \$18.4 per kg and paid with a \$100 note. How much change did she get? (4%)

End of Paper

Answer Key and Marking Notes — Teacher's Copy

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Section A (16%, 2% each)

Q	Answer	Working
1	200	$(64 - 56) \times 25 = 8 \times 25$
2	35	$31.47 + 18.53 = 50$; $50 - 12.9 - 2.1$
3	14.25	$0.2 \times 5 = 1$, then multiply 14.25
4	$4 \frac{19}{24}$	L.C.M. 24: $177 - 116 + 54 = 115/24$
5	192	$20 \times 0.25 = 5$; 38.4×5
6	12	$20/9 \times 3/2 = 10/3$; $10/3 \times 18/5 = 12$
7	2	$15/4 \times 8/15 = 2$
8	$2 \frac{1}{2}$	$35/6 \times 3/7 = 5/2$

Section B (20%, 2% each)

Q	Answer	Note
1	306 045 000	306 millions plus 45 thousands
2	12	$36 = 2^2 \times 3^2$, $60 = 2^2 \times 3 \times 5$
3	0.3	$0.07 \times 4.3 = 0.301$
4	hundredths	4 tenths, 8 hundredths, 2 thousandths
5	743 210	largest first; the units digit must be 0
6	8	$72 \div 9$
7	7	6 side faces plus 1 base
8	4y years old	$4 \times y$
9	$(b \div 5)$ cm	total length divided by the number of pieces
10	$(p \div 4)$ cm	one quarter means dividing by 4

Section C (30%)

Q	Answer	Marking note
1	Name: pentagonal prism Balls: 10 Sticks: 15	pentagonal prism: 10 vertices, 15 edges
2	(a) Playground (b) Bookshop (c) South	NE is up and right; going south from the Park reaches the Bookshop; Cinema to Kiosk is south
3	(a) mL (b) cm (c) kg	capacity in mL, length in cm, weight in kg
4	54 cm²	parallelogram $10 \times 6 = 60$, minus the cut $3 \times 4 / 2 = 6$
5	63 cm²	height of A = $45 \times 2 / 10 = 9$ cm; B = $14 \times 9 / 2$
6	3/16	3 out of 16 squares
7	5 cm	triangle $12 \times 5 / 2 = 30$; $(4 + 8) / 2 \times h = 30$, so $h = 5$
8	36 cm²	parallel sides 12 and 6, slants 5 each, so 3 is left on each side; 3-4-5 gives height 4; $(12+6)/2 \times 4$
9	(a) ✓ (b) ✗ (c) ✓	(b) one face overlaps and the opposite face is missing
10	Pyramid (7-sided base): 8 balls, 14 sticks Prism (10-sided base): 20 balls, 30 sticks	pyramid: balls = base sides + 1, sticks = 2 x base sides; prism: balls = 2 x base sides, sticks = 3 x base sides
11	(see the answer figure: add the rectangle opposite the missing face)	a cuboid net needs 6 faces; one is missing
12	54 cm²	base 9 x height 6 (the slant 7 is not used)

Section D (10%, 2% each)

Q	Answer	Note
1	Football	the row with the most symbols
2	6	$30 - 24$
3	Drawing and Dance	both rows have 4 symbols
4	$\frac{3}{4}$	$36 \div 48 = \frac{3}{4}$
5	36	$216 \div 6$

Section E (24%, 4% each)

Q	Answer	Working
1	width 45 m; area 3375 m²	$240 \div 2 - 75 = 45$; 75×45
2	480 cm³	$12 \times 8 \times 5$
3	250 mL	$1.5 \text{ L} = 1500 \text{ mL}$; $1500 \div 6$
4	16 bags	$2.4 \div 0.15 = 240 \div 15$
5	9 L	$40 \times 25 \times 18 = 18\,000 \text{ cm}^3 = 18 \text{ L}$; half of it
6	\$35.6	$3.5 \times 18.4 = 64.4$; $100 - 64.4$

Section E marking: 1% statement, 1% substitution, 1% value, 1% unit. A correct answer without working scores at most 2%.