

First Term Test — Practice Paper
Primary 4 Mathematics

Name: _____

Class: _____ No.: _____

Time allowed: **45 minutes**

Date: _____

No. of pages: **5**

Section A: 16%

1. $2500 \times 40 = ?$

1. _____

2. $96 \div 8 + 45 \times 2 = ?$

2. _____

3. $\frac{7}{8} - \frac{3}{8} = ?$

3. _____

4. $3.6 + 7.48 - 2.9 = ?$

4. _____

5. $12 \times (35 - 18) = ?$

5. _____

6. $\frac{4}{5} + \frac{3}{5} = ?$

6. _____

7. $8.05 \times 100 = ?$

7. _____

8. $630 \div 30 = ?$

8. _____

Section B: 20%

1. In 3 654 210, what is the place value of the digit 5?

1. _____

2. List all the factors of 48.

2. _____

3. Find the L.C.M. of 12 and 18.

3. _____

4. Change $\frac{3}{4}$ into a decimal.

4. _____

5. Change 0.6 into a fraction in its simplest form.

5. _____

6. The side of a square is 9 cm. Find its perimeter.

6. _____

7. A rectangle is 12 cm by 7 cm. Find its area.

7. _____

8. How many lines of symmetry does a square have?

8. _____

9. Write 3:20 p.m. in the 24-hour time system.

9. _____

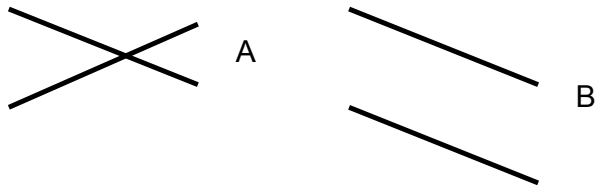
10. 2.5 L = ? mL

10. _____

Section C: 30%

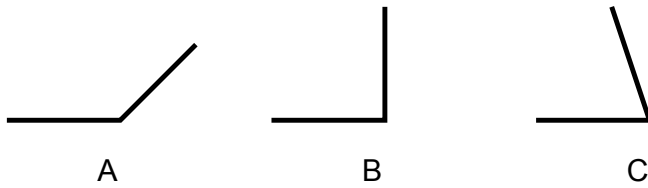
1 Which pair of lines is parallel? Write the letter. (3%)

1 _____



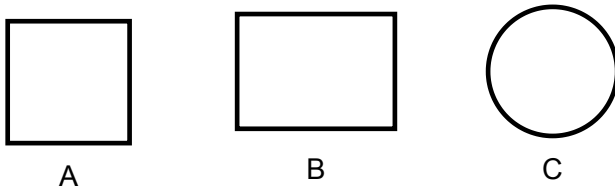
2 Which of the angles is an obtuse angle? Write the letter. (3%)

2 _____



3 Which shape has exactly 2 lines of symmetry? Write the letter. (3%)

3 _____



4 What fraction of the figure is shaded? (3%)

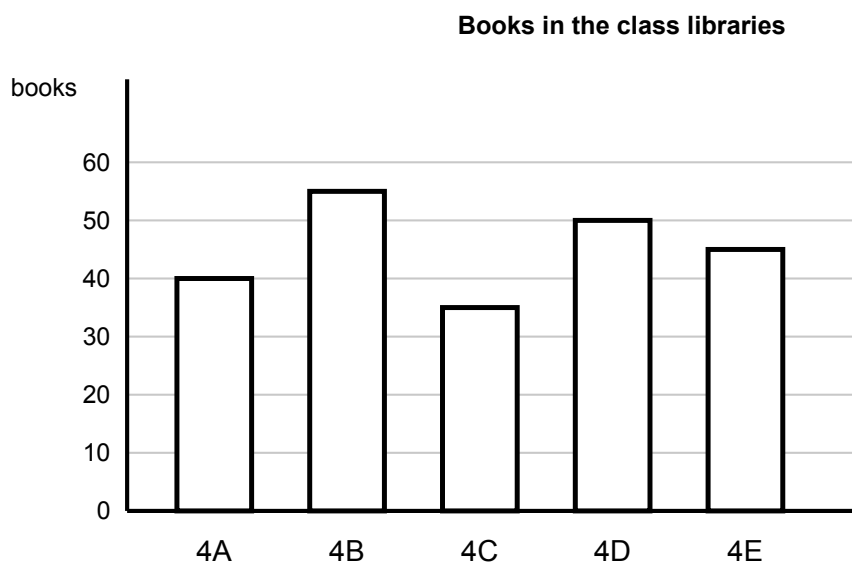
4 _____



- | | |
|---|---------|
| 5 A rectangle is 15 cm long and 8 cm wide. Find its area. (3%) | 5 _____ |
| 6 The perimeter of a square is 24 cm. Find the length of one side. (3%) | 6 _____ |
| 7 Arrange 3.6, 3.06 and 3.66 from the largest to the smallest. (4%) | 7 _____ |
| 8 144 apples are packed into boxes of 12. How many boxes are needed? (4%) | 8 _____ |
| 9 How many minutes are there from 9:45 to 11:10? (4%) | 9 _____ |

Section D: 10%

Study the bar chart and answer the questions.



- | | |
|---|----------|
| 1. Which class has the most books? | 1. _____ |
| 2. How many more books does 4A have than 4C? | 2. _____ |
| 3. How many books are there altogether? | 3. _____ |
| 4. What is the average number of books per class? | 4. _____ |
| 5. How many fewer books does 4C have than 4B? | 5. _____ |

Section E: 24% (Show all working steps)

1. A book has 128 pages. Mary reads 16 pages a day. How many days does she need to finish the book? (4%)

2. A school has 960 pupils in 24 classes. Find the average number of pupils in each class. (4%)

3. A bottle contains 1.5 L of water. 0.6 L is drunk. How many mL are left? (4%)

4. A rectangular garden is 18 m long and 12 m wide. How many metres of fence are needed to go round it? (4%)

5. A poster is 60 cm long and 45 cm wide. Find its area. (4%)

6. A shirt costs \$185. Mr Chan buys 4 shirts and pays with \$1000. How much change does he get? (4%)

End of Paper

Answer Key — Teacher's Copy
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Section A (16%, 2% each)

Q	Answer	Working
1	100 000	$25 \times 4 = 100$, then add three zeros
2	102	$12 + 90$
3	$\frac{1}{2}$	$\frac{4}{8} = \frac{1}{2}$
4	8.18	$11.08 - 2.9$
5	204	12×17
6	$1\frac{2}{5}$	$\frac{7}{5}$
7	805	move the decimal point two places right
8	21	$63 \div 3$

Section B (20%, 2% each)

Q	Answer	Note
1	ten thousands	$3\ 654\ 210 = 3$ millions, 6 hundred-thousands, 5 ten-thousands
2	1, 2, 3, 4, 6, 8, 12, 16, 24, 48	find pairs: 1×48 , 2×24 , 3×16 , 4×12 , 6×8
3	36	$12 = 2^2 \times 3$, $18 = 2 \times 3^2$
4	0.75	$3 \div 4$
5	$\frac{3}{5}$	$\frac{6}{10} = \frac{3}{5}$
6	36 cm	9×4
7	84 cm^2	12×7
8	4	two diagonals plus two mid-lines
9	15:20	add 12 hours
10	2500 mL	$1\text{ L} = 1000\text{ mL}$

Section C (30%)

Q	Answer	Note
1	B	parallel lines never meet
2	A	an obtuse angle is more than 90 degrees: A is about 135, B is a right angle, C is acute
3	B (rectangle)	a rectangle has 2, a square 4, a circle infinitely many
4	5/8	5 out of 8 squares
5	120 cm²	15×8
6	6 cm	$24 \div 4$
7	3.66, 3.6, 3.06	compare the tenths, then the hundredths
8	12 boxes	$144 \div 12$
9	85 minutes	$9:45 \rightarrow 10:45 = 60$; $10:45 \rightarrow 11:10 = 25$

Section D (10%, 2% each)

Q	Answer	Note
1	4B	the tallest bar
2	5	$40 - 35$
3	225	$40+55+35+50+45$
4	45	$225 \div 5$
5	20	$55 - 35$

Section E (24%, 4% each)

Q	Answer	Working
1	8 days	$128 \div 16$
2	40	$960 \div 24$
3	900 mL	$0.9 \text{ L} = 900 \text{ mL}$
4	60 m	$(18 + 12) \times 2$
5	2700 cm²	60×45
6	\$260	$185 \times 4 = 740$; $1000 - 740$