

First Term Test — Practice Paper
Primary 6 Mathematics

Name: _____

Class: _____ No.: _____

Time allowed: **50 minutes**

Date: _____

No. of pages: **5**

Section A: 16%

1. $2.4 \times 0.5 = ?$

2. $\frac{3}{4} \div \frac{1}{2} = ?$

3. $45\% \text{ of } 80 = ?$

4. $7.2 \div 0.9 = ?$

5. $\frac{5}{6} - \frac{1}{3} = ?$

6. $1.25 \times 8 = ?$

7. $12 \times 3.14 = ?$

8. $\frac{2}{5} \times 15 = ?$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Section B: 20%

1. Change 0.375 into a percentage.

2. Find the value of 12% of 250.

3. The radius of a circle is 5 cm. Find its circumference. (Take $\pi = 3.14$)

4. The radius of a circle is 4 cm. Find its area. (Take $\pi = 3.14$)

5. A car travels 120 km in 2 hours. Find its average speed.

6. Change $\frac{1}{4}$ into a percentage.

7. Find the volume of a cuboid 5 cm by 4 cm by 3 cm.

8. Find the total surface area of a cube of side 3 cm.

9. How many factors does 12 have?

10. How many minutes are there from 8:45 to 11:15?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

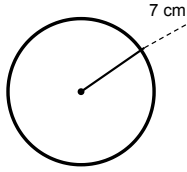
8. _____

9. _____

10. _____

Section C: 30%

- 1 The radius of a circle is 7 cm. Find its circumference. (Take $\pi = 3.14$) (3%)



1 _____

- 2 The diameter of a circle is 10 cm. Find its area. (Take $\pi = 3.14$) (3%)

2 _____

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

3 _____



- 4 There are 40 pupils in a class. 60% of them are girls. How many girls are there? (3%)

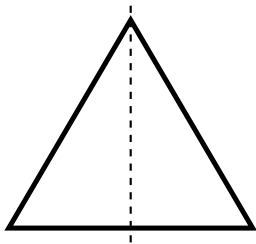
4 _____

- 5 A tank is 50 cm long, 30 cm wide and 40 cm high. Find its volume in litres. (3%)

5 _____

- 6 How many lines of symmetry does an equilateral triangle have? (3%)

6 _____



7 A cyclist travels 36 km in 45 minutes. Find his average speed in km/h. (4%)

7 _____

8 A tank holds 45 L. 60% of it is filled with water. How many litres of water are there? (4%)

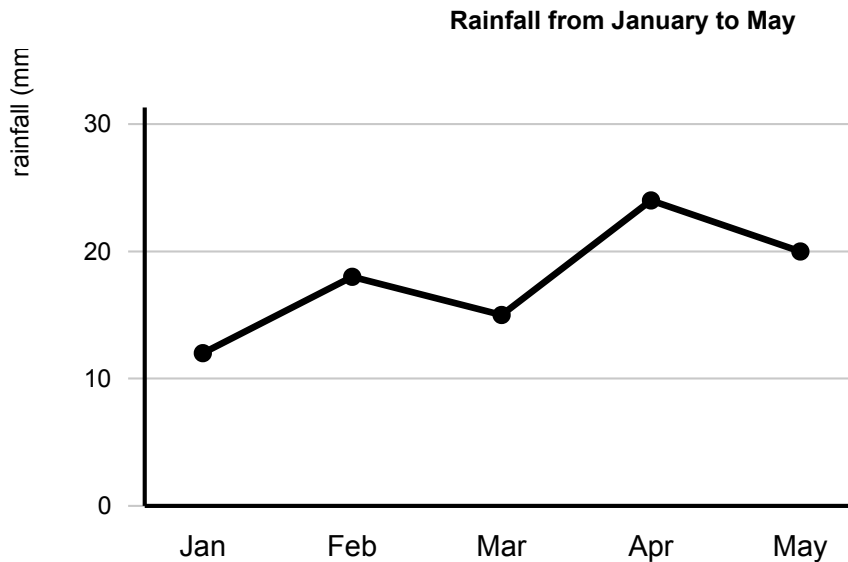
8 _____

9 $\frac{2}{3} + \frac{1}{6} - \frac{1}{2} = ?$ (4%)

9 _____

Section D: 10%

Study the line graph and answer the questions.



1. In which month was the rainfall the highest?
2. What was the difference in rainfall between April and January?
3. What was the total rainfall from January to May?
4. What was the average rainfall per month?
5. By how much did the rainfall increase from February to April?

1. _____

2. _____

3. _____

4. _____

5. _____

Section E: 24% (Show all working steps)

1. A train travels 315 km in 3.5 hours. Find its average speed. (4%)

2. A circular flower bed has a radius of 6 m. How many metres of fencing are needed to go round it? (Take $\pi = 3.14$) (4%)

3. A water tank is 60 cm long, 40 cm wide and 50 cm high. How many litres of water can it hold? (4%)

4. A car travels 175 km in 2.5 hours. Find its average speed. (4%)

5. There are 45 pupils in a class. $\frac{2}{5}$ of them are boys. How many boys are there? (4%)

6. A cuboid is 25 cm long, 12 cm wide and 8 cm high. Find its volume in litres. (4%)

End of Paper

First Term Answer Key — Teacher's Copy

Primary 6 Mathematics · Answer Key

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Section A (16%)

Q	Answer	Working
1	1.2	$2.4 \times 5 \div 10$
2	$1 \frac{1}{2}$	$3/4 \times 2$
3	36	80×0.45
4	8	$72 \div 9$
5	1/2	$5/6 - 2/6$
6	10	$125 \times 8 \div 100$
7	37.68	$\pi = 3.14$
8	6	$15 \div 5 \times 2$

Section B (20%)

Q	Answer	Note
1	37.5%	$0.375 = 37.5\%$
2	30	250×0.12
3	31.4 cm	$2 \times 3.14 \times 5$
4	50.24 cm ²	3.14×4^2
5	60 km/h	$120 \div 2$
6	25%	$1 \div 4 = 0.25$
7	60 cm ³	$5 \times 4 \times 3$
8	54 cm ²	6×3^2
9	6 (1,2,3,4,6,12)	find the factor pairs
10	150 minutes	2 hours 30 minutes

Section C (30%)

Q	Answer	Note
1	43.96 cm	$2 \times 3.14 \times 7$
2	78.5 cm ²	$r = 5$; 3.14×25
3	3/8	3 out of 8 squares
4	24	40×0.6
5	60 L	$60000 \text{ cm}^3 = 60 \text{ L}$
6	3	one per median line
7	48 km/h	$45 \text{ min} = 0.75 \text{ h}$; $36 / 0.75$
8	27 L	45×0.6
9	1/3	$4/6 + 1/6 - 3/6 = 2/6$

Section D (10%)

Q	Answer	Note
1	April	the highest point
2	12 mm	$24 - 12$
3	89 mm	$12+18+15+24+20$
4	17.8 mm	$89 \div 5$
5	6 mm	$24 - 18$

Section E (24%)

Q	Answer	Working
1	90 km/h	$315 \div 3.5$
2	37.68 m	$2 \times 3.14 \times 6$
3	120 L	$120000 \text{ cm}^3 = 120 \text{ L}$
4	70 km/h	$175 \div 2.5$
5	18	$45 \div 5 \times 2$
6	2.4 L	$25 \times 12 \times 8 = 2400 \text{ cm}^3 = 2.4 \text{ L}$