Another Peek Beyond the Point

Standard difficulty · 20 questions · 40 marks · Time: 30 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. 20.52 × 100 equals:
(a) 20520 **(b)** 205.2 **(c)** 0.2052 **(d)** 2052

2. 7514.8 ÷ 1000 equals:
(a) 7.5148 **(b)** 75.148 **(c)** 0.75148 **(d)** 75148

3. Multiplying a decimal by 100 moves the decimal point:
(a) 3 places to the right **(b)** 1 place to the right
(c) 2 places to the right **(d)** 2 places to the left

4. 0.3 × 0.6 equals:
(a) 0.018 **(b)** 0.9 **(c)** 1.8 **(d)** 0.18

5. 56.48 ÷ 8 equals:
(a) 7.14 **(b)** 70.6 **(c)** 7.06 **(d)** 0.706

6. 7/10 as a decimal is:
(a) 0.07 **(b)** 7.10 **(c)** 1.43 **(d)** 0.7

7. Rs 12.50 × 4 equals:
(a) Rs 500 **(b)** Rs 48.50 **(c)** Rs 5 **(d)** Rs 50

8. 34.2 ÷ 0.09 equals:
(a) 380 **(b)** 3800 **(c)** 3.8 **(d)** 38

Section B — Short answer — 8 × 2 = 16 marks

9. Multiply: 1.26 × 5.8

10. Divide: 459.3 ÷ 6

11. Divide: 12.32 ÷ 0.22

12. Write 71/80 as a decimal by long division.

13. Write 14/15 as a decimal to 6 places. Does it end, or does it repeat?

14. Estimate 3.2 × 7.5 by rounding each to the nearest whole number, then find the exact answer.

15. Dal costs Rs 61.48 a kg. How much do 5.9 kg cost?

16. Find 0.888 × 1000 and 0.888 ÷ 1000.

Section C — Word problems — 4 × 4 = 16 marks

17. A scooter goes 22.6 km on 1 litre of petrol. How far does it go on 6.1 litres?

18. A tailor cuts 18.04 m of cloth into pieces of 0.82 m. How many pieces does she get?

19. Zoya buys 2 notebooks at Rs 89.01 each and 3 pens at Rs 23.89 each, paying with a Rs 500 note. How much change does Zoya get?

20. Pack A has 3.5 kg of rice for Rs 157.50; pack B has 1 kg for Rs 93.50. Which is cheaper per kg, and by how much?

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Answer key

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Q	Answer	Working
1	**(d) 2052**	move the point 2 places to the right
2	**(a) 7.5148**	move the point 3 places to the left
3	**(c) 2 places to the right**	—
4	**(d) 0.18**	3 × 6 = 18; 1 + 1 = 2 decimal places
5	**(c) 7.06**	56.48 ÷ 8 = 7.06
6	**(d) 0.7**	7 ÷ 10 = 0.7
7	**(d) Rs 50**	—
8	**(a) 380**	multiply both by 100: 3420 ÷ 9 = 380
9	**7.308**	126 × 58 = 7308; 2 + 1 = 3 decimal places
10	**76.55**	459.3 ÷ 6 = 76.55
11	**56**	multiply both by 100: 1232 ÷ 22 = 56
12	**0.8875**	71 ÷ 80: it stops after 4 decimal places
13	**0.933333…; it repeats**	the remainders start to come round again, so the digits repeat
14	**about 24; exactly 24**	3 × 8 = 24
15	**Rs 362.73**	61.48 × 5.9 = 362.732, rounded to the nearest paisa
16	**888 and 0.000888**	the point moves right when multiplying, left when dividing
17	**137.86 km**	22.6 × 6.1 = 137.86
18	**22 pieces**	18.04 ÷ 0.82 = 1804 ÷ 82 = 22
19	**Rs 250.31**	178.02 + 71.67 = 249.69; 500 − 249.69
20	**pack A, by Rs 48.50 a kg**	A: 157.50 ÷ 3.5 = 45.00; B: 93.50 ÷ 1 = 93.50

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