

CLASS 7

MATHS

EXTRA QUESTIONS

Extra Questions for Class 7 Maths Chapter 12: Another Peek Beyond the Point – HOTS

Fresh HOTS practice questions for Class 7 Maths Chapter 12 "Another Peek Beyond the Point", testing decimal multiplication, decimal division, and real-world applications with new numbers not found in the textbook.

Fresh HOTS practice questions for Class 7 Maths Chapter 12 “Another Peek Beyond the Point”, testing decimal multiplication, decimal division, and real-world applications with new numbers not found in the textbook.

Q1.

Multiply 3.45×2.6 , showing the whole-number multiplication step and the decimal-place count.

Answer: $345 \times 26 = 8970$. The factors have $2 + 1 = 3$ decimal digits together, so the product is $8.970 = 8.97$.

Q2.

A tailor buys 4.75 m of fabric at ₹128.50 per metre. Find the total cost.

Answer: $4.75 \times 128.50 = (4 \times 128.50) + (0.75 \times 128.50) = 514.00 + 96.375 = \text{₹}610.375$ ($\approx \text{₹}610.38$).

Q3. Assertion-Reason

Assertion (A): The product of two decimal numbers that are each less than 1 is always smaller than both of the numbers.

Reason (R): Multiplying a positive number by another number that is less than 1 always makes it smaller.

Answer: Both A and R are true, and R correctly explains A.

Q4.

Divide 72.9 by 4.5 by first converting the divisor into a whole number.

Answer: Multiply both numbers by 10: $72.9 \div 4.5 = 729 \div 45 = 16.2$.

Q5. Spot the error

A student divides 3.6 by 0.4 and writes the answer as 0.9. Identify and correct the error.

Answer: Incorrect — the student did not convert the divisor to a whole number before dividing. Multiplying both numbers by 10 gives $36 \div 4 = 9$, the correct answer.

Q6. True or False

“Dividing a number by a decimal that is less than 1 always gives a result smaller than the original number.”

Answer: False. Dividing by a number less than 1 always makes the result larger — for example, $8 \div 0.5 = 16$, which is bigger than 8.

Q7.

A car covers 342.6 km using 19.8 litres of petrol. Find its fuel efficiency in km per litre, correct to two decimal places.

Answer: $342.6 \div 19.8 = 3426 \div 198 = 17.30$ km/litre (approx).

Q8.

Express $5/11$ as a decimal. Is it terminating or repeating? Give a reason based on the denominator.

Answer: $5/11 = 0.454545\dots$, a repeating (non-terminating) decimal, because the denominator 11 has a prime factor other than 2 or 5.

Q9.

A shopkeeper buys 8.5 kg of rice at ₹42.80 per kg and sells the entire lot for ₹400. Find the profit or loss.

Answer: Cost = $8.5 \times 42.80 = ₹363.80$. Profit = $400 - 363.80 = ₹36.20$ profit.

Q10.

The product of two decimal numbers is 6.75, and one number is 3 times the other. Find both numbers.

Answer: Let the smaller number be x , so the larger is $3x$. Then $x \times 3x = 3x^2 = 6.75$, giving $x^2 = 2.25$, so $x = 1.5$. The numbers are **1.5 and 4.5** (check: $1.5 \times 4.5 = 6.75$).

See also: [NCERT Solutions for Class 7 Maths Chapter 12](#)

Revision Notes: [Revision Notes for Class 7 Maths Chapter 12](#)

See the full book: [NCERT Books for Class 7 Maths Part 2](#)