SESSION	**: 16**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 7**
CHAPTER NAME	**: DIVISION**
SUBTOPIC	**: DIVISION BY 10,100,1000, EXERCISE-7 B**

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LEARNING OBJECTIVE

- **Enable the students to understand how to do the division by 10,100 and 1000.**

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DIVISION BY 10, 100 AND 1000

Consider the examples and observe carefully.

EXAMPLE - 1 Divide 378 by 10

$$
\begin{array}{r|lll}
10 & 3 & 7 & 8 \\
- & 3 & 0 & \\
\hline
 & & 7 & 8 \\
 & - & 7 & 0 \\
\hline
 & & & 8
\end{array}
\qquad 37
$$

Quotient = 37.

Remainder = 8.

We observe that when we divide any number by the divisor 10, the last digit of the dividend is always the remainder and the number formed by the remaining digits is the quotient.

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DIVISION BY 10, 100 AND 1000

Consider the examples and observe carefully.

EXAMPLE - 2 Divide 4,351 by 100

$$
\begin{array}{r|llll|ll}
100 & 4 & 3 & 5 & 1 & 4 & 3 \\
- & 4 & 0 & 0 & \downarrow & & \\
\hline
 & 0 & 3 & 5 & 1 & & \\
 & - & 3 & 0 & 0 & & \\
\hline
 & & & 5 & 1 & &
\end{array}
$$

Quotient = 43.

Remainder = 51.

We observe that when we divide any number by the divisor 100, then the last 2 digits of the dividend will be the remainder and the number formed by the remaining digits is the quotient.

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DIVISION BY 10, 100 AND 1000

Consider the examples and observe carefully.

EXAMPLE - 3 Divide 68,792 by 1000

$$
\begin{array}{r|llllll}
1000 & 6 & 8 & 7 & 9 & 2 & 6\ \ 8 \\
- & 6 & 0 & 0 & 0 & & \\
\hline
 & 0 & 8 & 7 & 9 & 2 & \\
 & - & 8 & 0 & 0 & 0 & \\
\hline
 & & & 7 & 9 & 2 &
\end{array}
$$

Quotient = 68.

Remainder = 792.

Form the above example, it is clear that if we divide any number by the divisor 1000, then the last three digits of the dividend is the remainder and the number formed by the remaining digits is the quotient.

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DIVISION BY 10, 100 AND 1000

EXERCISE – 7(B)

Fill in the blanks:

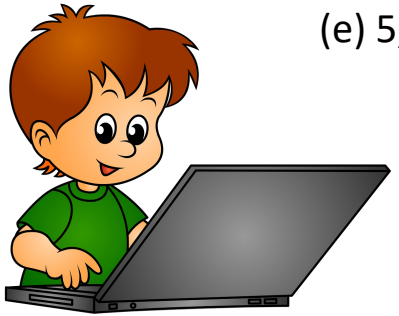
(a) 5,120 ÷ 10 **Quotient** = 512. **Remainder** = 0.

(b) 4,650 ÷ 1000 **Quotient** = 4. **Remainder** = 650.

(c) 9,570 ÷ 100 **Quotient** = 95. **Remainder** = 70.

(d) 1,900 ÷ 100 **Quotient** = 19. **Remainder** = 00.

(e) 5,455 ÷ 10 **Quotient** = 545. **Remainder** = 5.



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DIVISION BY 10, 100 AND 1000

EXERCISE – 7(B)

Fill in the blanks:

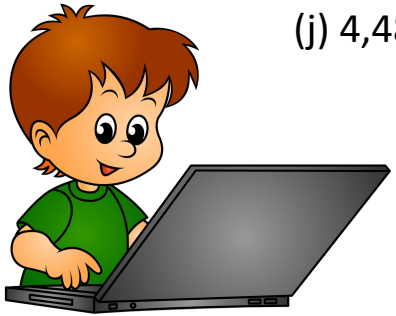
(f) 46,79,921 ÷ 1000 **Quotient** = 4679. **Remainder** = 921.

(g) 6,443 ÷ 100 **Quotient** = 64. **Remainder** = 43.

(h) 8,470 ÷ 1000 **Quotient** = 8. **Remainder** = 470.

(i) 3,300 ÷ 1000 **Quotient** = 3. **Remainder** = 300.

(j) 4,488 ÷ 10 **Quotient** = 448. **Remainder** = 8.



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DIVISION BY 10, 100 AND 1000

EXERCISE – 7(B)

Fill in the blanks:

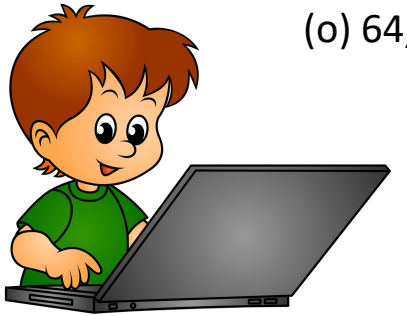
(k) 56,810 ÷ 100 **Quotient** = 568. **Remainder** = 10.

(l) 3,23,655 ÷ 100 **Quotient** = 3236. **Remainder** = 55.

(m) 76,587 ÷ 100 **Quotient** = 765. **Remainder** = 87.

(n) 96,660 ÷ 1000 **Quotient** = 96. **Remainder** = 660.

(o) 64,36,379 ÷ 1000 **Quotient** = 6436. **Remainder** = 379.



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HOME ASSIGNMENT:

- **Complete Exercise – 7 B in your note book.**

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LEARNING OUTCOME:

Students are able to understand how to do the division by 10,100 and 1000.

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THANKING YOU

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