

Chapter 12: Can We Share?

Date: 7.6.21

Maths Copy 2

1. Introduction
2. Properties of Division
3. Division by repeated subtraction method

Properties of Division

1) $0 \div 99 = 0$

Explanation: When zero is divided by any number other than zero, the answer is zero.

2) $99 \div 0 = \text{Undefined}$

Explanation: When a number divided by zero ,the answer is undefined.

Properties of Division

$$3) 99 \div 1 = 99$$

Explanation: When any number is divided by one ,the answer is the same number or number itself.

$$4) 99 \div 99 = 1$$

Explanation: When any number other than zero is divided by the same number or number itself the answer is one.

Parts of a Division

$$11 \div 2 = 5 \text{ R } 1$$

dividend divisor quotient remainder

$$\begin{array}{r} 5 \\ 2 \overline{)11} \\ \underline{10} \\ 1 \end{array}$$

divisor → ← quotient
 ← dividend
 ← remainder

Division is Repeated Subtraction

1) $12 \div 4 = ?$

$12 - 4 = 8$...step1

$8 - 4 = 4$...step2

$4 - 4 = 0$...step3

**Ans: $12 \div 4 = 3$ [Number of step of
repeated subtraction = Answer]**

Division is Repeated Subtraction

$$2) \quad 36 \div 9 = ?$$

$$36 - 9 = 27 \dots \text{step 1}$$

$$27 - 9 = 18 \dots \text{step 2}$$

$$18 - 9 = 9 \dots \text{step 3}$$

$$9 - 9 = 0 \dots \text{step 4}$$

Ans: $36 \div 9 = 4$ [Number of step of repeated subtraction = Answer]

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1) $\underline{\quad} \div 1098 = 0$

2) $67 \div 67 = \underline{\quad}?$

3) $234 \div 0 = \underline{\quad}?$

SOLVE BY REPEATED SUBTRACTION METHOD:

4) $81 \div 9 = ?$

5) $24 \div 12 = ?$

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(CHECK YOUR ANSWERS)

1) $0 \div 1098 = 0$

2) $67 \div 67 = 1$

3) $234 \div 0 = \text{Undefined}$

SOLVE BY REPEATED SUBTRACTION METHOD:

4) $81 \div 9$

$81 - 9 = 72 \dots S1$

$72 - 9 = 63 \dots S2$

$63 - 9 = 54 \dots S3$

$54 - 9 = 45 \dots S4$

$45 - 9 = 36 \dots S5$

$36 - 9 = 27 \dots S6$

$27 - 9 = 18 \dots S7$

$18 - 9 = 9 \dots S8$

$9 - 9 = 0 \dots S9$

ANS: $81 \div 9 = 9$

5) $24 \div 12$

$24 - 12 = 12 \dots S1$

$12 - 12 = 0 \dots S2$

ANS: $24 \div 12 = 2$

THANK YOU

