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## Long Division Worksheets

- 1) Joel needs 492 balloons for the party but balloons come in a pack of 6. How many packs should he buy?



- 2) Fill in the blanks

$$\begin{array}{r}
 \boxed{\phantom{0}}\boxed{\phantom{0}}\boxed{\phantom{0}} \\
 4 \overline{) 752} \\
 \underline{- 4} \phantom{00} \\
 35 \phantom{0} \\
 \underline{- 32} \phantom{0} \\
 32 \phantom{0} \\
 \underline{- 32} \phantom{0} \\
 \textcircled{0} \rightarrow \text{Remainder}
 \end{array}$$

- 3) Find the quotient by long division:  $7,561,701 \div 27$

4) Solve:

$$86 \overline{) 10535}$$

5) Calculate the remainder after long division and verify your answer.

$$20012 \div 16$$

6) Match the following element in column A which can completely divide the element in column B

A	B
1. 2	a. 243
2. 5	b. 995
3. 9	c. 558

7) Find the remainder if we divide 742 from 3.

8) Yasmin was reading a book that has 12798 pages. If she can read 81 pages in a day. Then how many weeks will it take her to complete the book?

9) Find the greatest 4 digit number divisible by 21.

10) 456,102 is a multiple of 21.

The given statement is

- a) Correct
- b) Incorrect

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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

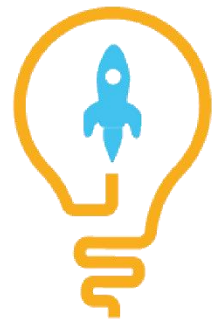
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

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**ANSWERS**

1)	82 balloons
2)	188
3)	280,063
4)	Quotient = 122 Remainder = 43
5)	10
6)	1--c; 2--b; 3--a
7)	1
8)	158 days
9)	9996
10)	b) Incorrect

## FUN FACT

1. The modern algorithm adopted to solve long [division](#) was introduced by Henry Briggs c. 1600 A.D.
2. In English-speaking countries, division slash  $\langle /\rangle$  or division sign  $\langle \div \rangle$  symbols are not used for long division, but instead constructs a tableau.
3. The horizontal bar of [fraction](#), used to indicate division, introduced by the Arabs, although its use did not spread until 16th century.

