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## Long Division Worksheets Grade 3

1) State true/false.

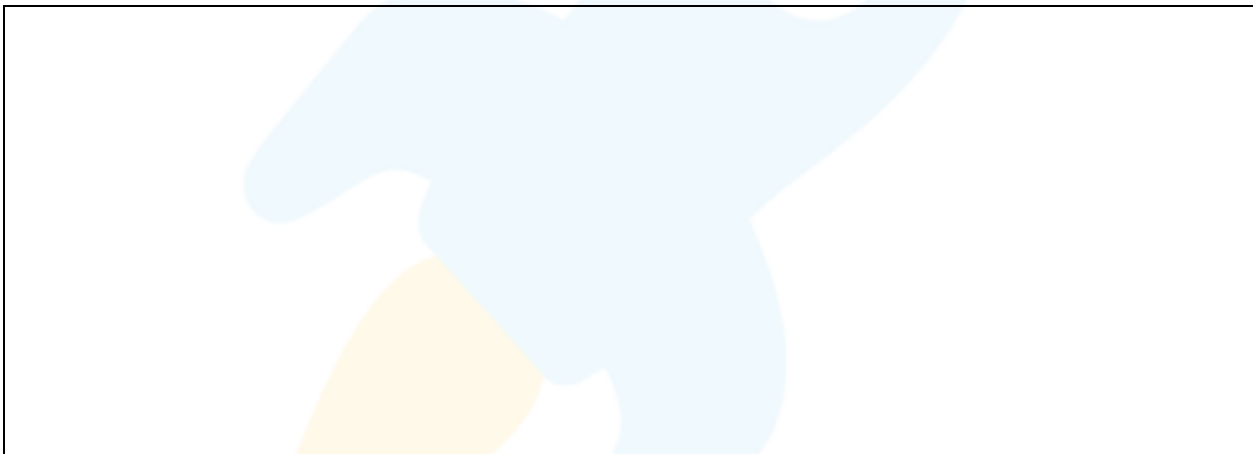
The dividend is always greater than the divisor and the quotient. \_\_\_\_\_

2) Fill in the blank.

The remainder is always \_\_\_\_\_ than the divisor.

- (a) smaller
- (b) bigger
- (c) equal

3) What is the quotient when 159 is divided by 6.



4) Identify the parts of long division:

$$575 \div 5 = 113$$

- (a) Dividend =
- (b) Divisor =
- (c) Quotient =
- (d) Remainder =

5) Divide:  $92 \div 7$ .



6) Tick the correct answer for  $411 \div 3$

(a)  $Q = 137, R = 2$

(b)  $Q = 137, R = 0$

(c)  $Q = 143, R = 4$

7) Jane sticks 6 pictures on a page. How many pages does she need to stick 672 pictures?



8) Tick the correct working of  $46 \div 3$

$$\begin{array}{r}
 15 \\
 \hline
 3 \overline{) 46} \\
 \underline{- 3} \phantom{0} \\
 16 \\
 \underline{- 15} \\
 1
 \end{array}$$

(a)

$$\begin{array}{r}
 20 \\
 \hline
 3 \overline{) 46} \\
 \underline{- 6} \\
 40 \\
 \underline{- 30} \\
 10
 \end{array}$$

(b)

9) Divide 346 by 7 and check your answer.

10) A factory produces 584 packets of bread. If there are 4 kinds of bread packets, and there are equal numbers of packets of each kind, how many packets of bread are there?

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- Barbara Cabrera

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**ANSWERS**

|     |  |
|-----|--|
| 1)  | True   |
| 2)  | (a)  |
| 3)  | Quotient = 26  |
| 4)  | (a) Dividend = 575<br>(b) Divisor = 5<br>(c) Quotient = 113<br>(d) Remainder = 0 |
| 5)  | Quotient = 13, Remainder = 1   |
| 6)  | (b)  |
| 7)  | 112  |
| 8)  | (a)  |
| 9)  | $7 \times 49 + 3 = 346$  |
| 10) | 146  |

## FUN FACT

1. The process is begun by dividing the left-most digit of the dividend by the divisor.
2. In case of division of polynomials, when there are no common factors between the numerator and the denominator, or if you can't find the factors, you can use the long division process to simplify the expression.
3. Long division with decimals can be easily done just as the normal long division.

