8th Grade Division Problems Worksheets
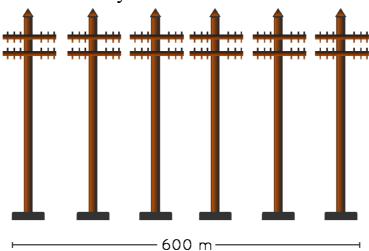
Questions

Q1. The distance between the 6 utility poles is 600 meters. Find the distance between three Utility Poles.

├──────────── 600 m ────────────┤

Q2. Is 66931 divisible by 100?

Q3. Find the Solution: $\frac{x^2+9x-14}{x+7}$

Q4. Divide: $\frac{16 \times 10^9}{8 \times 10^6}$

Q5. Simplify
a.) $\frac{16x^{12}y^6}{8x^8}$
b.) $\frac{22x^{14}}{33x^7y^9}$

Q6. Evaluate
a. $15\frac{3}{6} \div \frac{7}{8} =$
b. $13\frac{1}{5} \div 26\frac{4}{5} =$

Q7. Sam bought 18.6 lbs of sugar. He transfers the sugar equally into 6 bags. There was 0.60 lbs of Sugar leftover. What was the mass of sugar in 1 bag?

Q8. Divide:

a. $\dfrac{1122.2}{1000} = \ldots$

b. $\dfrac{228.9}{1000} = \ldots$

Q9. Evaluate

a. 51% of X = 3214

b. 93% of Y = 6754

Q10. Fill in the blank: $\dfrac{144}{24} \div (\underline{}) = 3$

Q11. Simplify: $\dfrac{x^3 y^4}{pq^2} \div \dfrac{x^2 y^4}{pq}$

Q12. If one of the numbers is $\dfrac{15}{-9}$. The product of two numbers is $\dfrac{45}{27}$, find the other.

Q13. Complete the function table.

Given, $x = m \div 8$

Input	m	0	8	16	24
Output	x				

Q14. Divide $x^2 + 8x - 7$ by $x + 1$.

Q15. Find the slope of a line if points are (6, 8) and (4, –2).

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1. 100 m	2. No	3. X + 2	4.) 2×10^3	5 a.) $2x^4y^6$
5 b.) $\frac{2x^7}{3y^9}$	6 a.) 6.28	6 b.) $\frac{33}{67}$	7.) 3 lbs.	8 a.) 1.1222
8 b.) 0.2289	9 a.) 1639.14	9 b.) 6281	10) 2	11) $\frac{x}{q}$
12) -1	13) 0,1,2,3	14.) x + 7.	15.) 5	

FUN FACT

1. De-Morgan introduced / sign to use as the alternative symbol of division.
2. When a number is divided by itself, the result is always 1.
3. Any number divided by infinite gives result 0.