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8th Grade Division Problems Worksheets

Questions

Q1. Divide

$$\text{a) } \frac{3}{16} \text{ by } \frac{15}{8}$$

$$\text{b) } \frac{10}{12} \text{ by } \frac{5}{6}$$

Q2. If one of the numbers is $\frac{5}{9}$. The product of two numbers is $\frac{-25}{27}$, find the other.

Q3. Fill your answer in the blank: $\frac{12}{16} \div (\quad) = 1$

Q4. Simplify

$$\text{4) a) } \frac{x^2y^2}{pq^2} \div \frac{xy}{pq}$$

$$\text{b) } \frac{x-y}{x^2-y^2}$$

Q5. Is 56932 divisible by 10?

Q6. Simplify $\frac{945^9}{945^6}$

Q7. Divide $\frac{6 \times 10^6}{9 \times 10^9}$

Q8. 70 people were present at a party. The caterer is arranging tables. Each table can accommodate 10 people. How many tables are needed for 70 people?

Q9. A boat covers a total distance of 120 kilometers on still water and travels at a constant speed for 5 hours. How fast is the boat going?

Q10. 80 is what percent of 160?

Q11. A set of 20 teacups costs \$90. What is the price of 4 teacups?



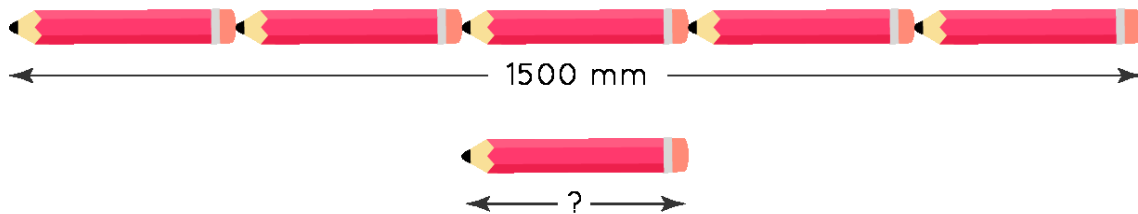
Cost = ?

Q12. Simplify

$$\text{Simplify : } \frac{8 \times g^9}{9 \times g^6}$$

Q13. Simplify $\frac{1.5 \times 10^{-6}}{2.5 \times 10^8}$ and express the answer in scientific notation.

Q14. Sam has a set of 5 pencils. If Sam lays all pencils together end-to-end the length of the pencils becomes 1500mm. What is the length of each pencil?



Q15.

Find the answer to the algebraic fractions: $\frac{x(y+z)y^2}{y+z}$

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ANSWERS

1. a) $\frac{1}{10}$	1. b) 1	2.) $\frac{5}{3}$	3.) $\frac{12}{16}$ or $\frac{3}{4}$	4 a.) $\frac{xy}{q}$	4 b.) $\frac{1}{x+y}$
5.) No	6.) 945^3	7.) $\frac{2 \times 10^{-3}}{3}$	8.) 7 tables	9.) 24 km/hr	10.) 50%
11.) \$18	12.) $\frac{8 \times g^3}{9}$	13.) 6×10^{-15}	14.) 300mm	15.) xy^2	

FUN FACT

1. On dividing a number with 1, the result is the same number.
2. On dividing a number with 0, the result is not defined.
3. The same number divided by itself, the result is 1.

