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8th Grade Division Problems Worksheets

#### Questions



Q2. Sam cut a wooden stick 8.46 m long into 6 equal pieces. What is the length of each piece of the stick?



Q3. Jack bought 8.6 lbs of flour. He transfers the flour equally into 5 bags. There were 0.35 lbs of flour leftover. What was the mass of flour in 1 bag?

Q4. A family ate 3.6 kg more rice in March than on February 28. If the family ate 42.8 kg of rice in these two months, how many kilograms of rice did they eat in March?

```
Q5. Divide
a. 49.8 \div 8 =
b. 50.0 \div 9.8 =
```

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Q6.	Solve	
a.	$5\frac{3}{5}$ ÷	$\frac{7}{8} =$
b.	$3\frac{1}{5}$ ÷	$4\frac{4}{5} =$

Q7. Evaluate a. 49% of 3274 = b. 76% of 7219 =

Q8. In 15 rows there are 375 soldiers. find how many soldiers are there in each row?



Q9. If 9 is multiplied by a number the product becomes 3384, find the number.

Q10. 60 is what percent of 360?

Q11. In a market, there is a shop, where a set of 60 teacups costs \$120. What is the price of 12 teacups?

Q12. Simplify.  $\frac{80 \times r^8}{5 \times r^6}$ Q13. Solve  $\frac{1.5 \times 10^{-6}}{2.5 \times 10^8}$ 

Q14. Raven has a set of 15 pencils. If Raven lays all pencils together end-to-end the length of the pencils becomes 2500mm long. What is the length of each pencil?

Q15. Find the answer to the algebraic fractions:  $\frac{(yx-y)(y+zy)}{y}$ 



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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!" "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." "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."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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## ANSWERS

1 a) 0.5222	1 b) 0.2589	1 c) 5.308	1 d) 0.009099	2) 1.41 m
3) 1.35 lbs	4) 21.04 kg.	5 a) 6.225	5 b) 10.04	6 a) 6.4
6 b) 0.666	7 a) 3274	7 b) 7219	8) 25	9) 376
10) 16.67%	11) \$24	$12)\frac{16\times g^3}{3}$	13) $6 \times 10^{-15}$	14) 180 mm.
15) (x-1)(1+z)				



### FUN FACT

1. / sign was introduced in 1845 by De-Morgan.

2. When divided by 0, the result is not defined.

3. When we divide something by 1, the result is the same as the original number.