Fractions, decimals and percentages

Free Extra Maths Class · Grade 7

Name: _____

Remember: Percent = out of 100. Adding fractions: first the same denominator. Decimals: commas under each other.

1. Write $\frac{3}{5}$ as a decimal and as a percentage.

Answer: _____

2. Write 0,35 as a common fraction in simplest form.

Answer: _____

3. Write 45% as a decimal and as a common fraction.

Answer: _____

4. Write $\frac{3}{8}$ as a decimal and as a percentage.

Answer: _____

5. Write 1,25 as a mixed number.

Answer: _____

6. Order from small to big: 0,7; $\frac{3}{4}$; 68%; 0,705

Answer: _____

7. Write <, > or =: $\frac{2}{5}$ ___ 0,45

Answer: _____

8. Calculate: $\frac{2}{3} + \frac{1}{4}$

Answer: _____

9. Calculate: $\frac{5}{6} - \frac{3}{8}$

Answer: _____

10. Calculate: $2\frac{1}{2} + 1\frac{2}{3}$

Answer: _____

11. Calculate: $3\frac{1}{4} - 1\frac{5}{6}$

Answer: _____

12. Calculate: 12,5 + 3,48

Answer: _____

13. Calculate: 7,2 – 3,85

Answer: _____

14. Calculate: 20 – 6,375

Answer: _____

15. Thandi eats $\frac{3}{8}$ of a pizza and her brother $\frac{1}{4}$. What fraction of the pizza is left? Also write it as a percentage.

Answer: _____

I got _____ **out of 15** ☆ ☆ ☆

Memo

Fractions, decimals and percentages

Other correct methods are also right.

1. **0,6 = 60%**

$\frac{3}{5} = \frac{6}{10} = 0{,}6 = 60\%$

2. $\frac{7}{20}$

$\frac{35}{100} = \frac{7}{20}$ (divide top and bottom by 5)

3. **0,45 = $\frac{9}{20}$**

$45 \div 100 = 0{,}45$; $\frac{45}{100} = \frac{9}{20}$

4. **0,375 = 37,5%**

$\frac{3}{8} = \frac{375}{1000} = 0{,}375 = 37{,}5\%$

5. $1\frac{1}{4}$

$0{,}25 = \frac{25}{100} = \frac{1}{4}$

6. **68%; 0,7; 0,705; $\frac{3}{4}$**

As percent: 70%; 75%; 68%; 70,5%

7. $\frac{2}{5}$ **< 0,45**

$\frac{2}{5} = 0{,}40$ and $0{,}40 < 0{,}45$

8. $\frac{11}{12}$

$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

9. $\frac{11}{24}$

$\frac{20}{24} - \frac{9}{24} = \frac{11}{24}$

10. $4\frac{1}{6}$

$3 + \frac{3}{6} + \frac{4}{6} = 3 + \frac{7}{6} = 4\frac{1}{6}$

11. $1\frac{5}{12}$

$\frac{39}{12} - \frac{22}{12} = \frac{17}{12} = 1\frac{5}{12}$

12. **15,98**

12,50 + 3,48 = 15,98 (commas under each other)

13. **3,35**

7,20 − 3,85 = 3,35

14. **13,625**

20,000 − 6,375 = 13,625

15. $\frac{3}{8}$ **= 37,5%**

$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ eaten; $1 - \frac{5}{8} = \frac{3}{8} = 0{,}375 = 37{,}5\%$