



Year 6 Worksheet 3: Fractions, Decimals and Percentages

Level: Beginner

1. Write $\frac{1}{2}$ as a decimal.
2. Convert 0.75 to a fraction.
3. What is 25% of 100?
4. Shade $\frac{3}{5}$ of a shape.
5. Order from smallest to largest: $\frac{1}{4}$, 0.3, 30%
6. What is 10% of 120?
7. Find $\frac{1}{3}$ of 60.
8. Convert 0.2 to a percentage.
9. Write 50% as a fraction.
10. Which is greater: $\frac{2}{5}$ or 0.45?

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 3: Fractions, Decimals and Percentages

Level: Intermediate

1. Add: $\frac{2}{5} + \frac{1}{10}$
2. Subtract: $\frac{3}{4} - \frac{2}{8}$
3. Convert: 0.6 to a fraction and a percentage.
4. Find $\frac{3}{10}$ of 250.
5. Which is greater: $\frac{3}{4}$ or 80%?
6. Multiply: $\frac{2}{3} \times 18$
7. What is 40% of 150?
8. Write $\frac{3}{8}$ as a decimal.
9. Find $\frac{2}{5}$ of 300g.
10. Round 0.678 to 2 decimal places.

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 3: Fractions, Decimals and Percentages

Level: Difficult

1. Multiply: $\frac{3}{5} \times \frac{7}{8}$
2. Divide: $\frac{4}{9} \div \frac{2}{3}$
3. Add: $\frac{2}{3} + \frac{5}{6}$ (simplify your answer)
4. Subtract: $\frac{7}{10} - \frac{3}{5}$
5. A cake recipe uses $\frac{3}{4}$ cup of sugar. How much sugar for 5 cakes?
6. Convert: 1.25 to a fraction and percentage.
7. A number is 60% of 180. What is the number?
8. $\frac{2}{5}$ of a number is 36. What is the number?
9. Order from smallest to largest: $\frac{5}{8}$, 0.63, 62%
10. What is the decimal equivalent of $\frac{9}{20}$?

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 3: Fractions, Decimals and Percentages

Level: Super Challenging

1. Simplify: $(\frac{3}{4} + \frac{5}{8}) \div (\frac{1}{2})$
2. A school has 480 students. $\frac{3}{5}$ are boys. How many boys?
3. A shirt is reduced by 15%. If it now costs £42.50, what was the original price?
4. Find the original number if 60% of it is 84.
5. Multiply: $2.4 \div \frac{3}{5}$
6. A class of 30 pupils \div 40% are girls. How many are boys?
7. Find the missing value: $\frac{3}{4} = \frac{?}{16}$
8. If $\frac{2}{7}$ of a rope is 8m, how long is the full rope?
9. Compare: 0.72, $\frac{18}{25}$, 71%
10. Write a problem involving converting a decimal to a percentage.

[Use the space below to work out your answers. Show all your working.]