



Fractions Homework (1)



What is the Fraction of the Shaded Area?











Shade the Figure with the Indicated Fraction



$$\frac{2}{8}$$



$$\frac{1}{4}$$



$$\frac{3}{4}$$



$$\frac{4}{5}$$



$$\frac{4}{5}$$

Equivalent Fractions

$$\frac{3}{4} = \frac{\quad}{24}$$

$$\frac{4}{6} = \frac{\quad}{30}$$

$$\frac{1}{2} = \frac{4}{\quad}$$

$$\frac{2}{6} = \frac{6}{\quad}$$

$$\frac{1}{4} = \frac{\quad}{24}$$

Lowest Terms (Reducing Fractions)

$$\frac{6}{12} = \frac{\quad}{\quad}$$

$$\frac{10}{20} = \frac{\quad}{\quad}$$

$$\frac{8}{12} = \frac{\quad}{\quad}$$

$$\frac{20}{50} = \frac{\quad}{\quad}$$

$$\frac{20}{100} = \frac{\quad}{\quad}$$

$$\frac{2}{6} = \frac{\quad}{\quad}$$

$$\frac{40}{50} = \frac{\quad}{\quad}$$

$$\frac{5}{20} = \frac{\quad}{\quad}$$

$$\frac{21}{35} = \frac{\quad}{\quad}$$

$$\frac{9}{12} = \frac{\quad}{\quad}$$

Converting Improper to Mixed Fractions

$$\frac{10}{4} = \text{_____}$$

$$\frac{64}{10} = \text{_____}$$

$$\frac{11}{2} = \text{_____}$$

$$\frac{11}{2} = \text{_____}$$

$$\frac{22}{4} = \text{_____}$$

$$\frac{29}{4} = \text{_____}$$

$$\frac{12}{5} = \text{_____}$$

$$\frac{17}{3} = \text{_____}$$

Converting Mixed to Improper Fractions

$$6\frac{3}{4} = \frac{\quad}{\quad}$$

$$9\frac{2}{3} = \frac{\quad}{\quad}$$

$$9\frac{2}{5} = \frac{\quad}{\quad}$$

$$8\frac{1}{2} = \frac{\quad}{\quad}$$

$$7\frac{1}{2} = \frac{\quad}{\quad}$$

$$9\frac{2}{3} = \frac{\quad}{\quad}$$

$$9\frac{2}{5} = \frac{\quad}{\quad}$$

$$6\frac{3}{10} = \frac{\quad}{\quad}$$





Fractions Homework (2)



Adding Simple Fractions

$$\frac{2}{8} + \frac{2}{8} =$$

$$\frac{5}{11} + \frac{5}{11} =$$

$$\frac{1}{12} + \frac{8}{12} =$$

$$\frac{1}{6} + \frac{2}{6} =$$

1) $\frac{1}{3} + \frac{4}{5} =$

2) $\frac{1}{2} + \frac{3}{5} =$

3) $\frac{5}{10} + \frac{1}{2} =$

Subtracting Simple Fractions

$$\frac{5}{10} - \frac{1}{10} =$$

$$\frac{2}{3} - \frac{1}{3} =$$

$$\frac{5}{9} - \frac{2}{9} =$$

$$\frac{3}{10} - \frac{1}{10} =$$

1) $\frac{2}{5} - \frac{1}{3} =$

2) $\frac{4}{5} - \frac{3}{4} =$

3) $\frac{1}{2} - \frac{2}{5} =$





Fractions Homework (3)



Multiplying Fractions

$$1) \quad \frac{1}{2} \times \frac{8}{10} =$$

$$2) \quad \frac{9}{10} \times \frac{2}{5} =$$

$$3) \quad \frac{2}{4} \times \frac{2}{3} =$$

$$4) \quad \frac{1}{4} \times \frac{7}{10} =$$

Comparing Fractions

$$1) \quad \frac{1}{6} \quad \square \quad \frac{1}{3}$$

$$2) \quad \frac{6}{10} \quad \square \quad \frac{5}{7}$$

$$3) \quad \frac{1}{3} \quad \square \quad \frac{1}{2}$$

Dividing Fractions

$$1) \quad \frac{5}{10} \div \frac{4}{5} =$$

$$2) \quad \frac{1}{5} \div \frac{2}{3} =$$

$$3) \quad \frac{3}{4} \div \frac{6}{10} =$$

$$4) \quad \frac{1}{2} \div \frac{2}{5} =$$



Fraction of Quantity and Missing Quantity

Find $\frac{2}{3}$ of 36 =

Find $\frac{3}{5}$ of 150 =

Find $\frac{3}{4}$ of 48 =

32 is $\frac{4}{5}$ of what number?

45 is $\frac{3}{5}$ of what number?

32 is $\frac{2}{10}$ of what number?



Fractions Homework (4)



1. There are 24 hours in a day – Beyoncé sleeps $\frac{3}{8}$ of the day. How much time has she spent sleeping?

2. Batman is 160cm tall and Robin is $\frac{7}{8}$ as tall as him. How tall is Robin?

3. There 300 Kids in a school – $\frac{2}{5}$ of them like Adele the singer. How many kids don't like Adele?

4) Zayn has £64 – he give $\frac{1}{8}$ to Katy Perry and $\frac{3}{8}$ to Taylor Swift. How much does he keep for himself?

5) 500 ml of 2500 ml of bottle of orange squash is concentrate. What fraction is concentrate?



Fractions Homework (5)



6. Tesco normally sells Twix bars for 40 pence. The sign says if I buy 3 I can have them for $\frac{1}{4}$ less than the normal price.

- (i) How much can I buy 3 Twix bars for?
- (ii) How much does each Twix bar cost?

7) If $\frac{5}{12}$ of box of chocolates weigh 20g, what is the weight of the whole box of chocolates?

8) If $\frac{2}{5}$ of my money is 50p – what is value is all my money?

9)After I brought a phone costing £200, one third of what I had left was £60. How much money did I have at first?

10) How many $\frac{1}{3}$ are there in

- a) $\frac{2}{3}$
- b) $\frac{7}{3}$
- c) 4
- d) 3 and a $\frac{1}{3}$