

Name \_\_\_\_\_



## YouTube Fraction Word Problems Answer Key

1. The length of the interview is  $(\frac{3}{4}) \times 10 = 7.5$  minutes.
2. The number of subscribers from the United States is  $(\frac{1}{5}) \times 50,000 = 10,000$ .
3. The fraction of viewers who liked the video is  $200 / (200 + 50) = 200 / 250 = \frac{4}{5}$ .
4. The number of views from mobile devices is  $(\frac{3}{8}) \times 1,000,000 = 375,000$ .
5. The number of vlogs uploaded in a week is  $(\frac{1}{3}) \times 2 = \frac{2}{3}$ .
6. The number of shares on social media is  $(\frac{2}{5}) \times 500 = 200$ .
7. The revenue from sponsored videos is  $(\frac{1}{4}) \times \$500 = \$125$ .
8. The number of positive comments is  $(\frac{3}{10}) \times 100 = 30$ .
9. The fraction of viewers who engaged with the video is  $(2,000 + 500 + 100) / \text{Total views}$ .
10. Let the number of likes be  $5x$ . Therefore,  $5x / 500 = 1 / 5$ . Solving for  $x$ , we find  $x = 100$ . So, the number of likes is  $5 \times 100 = 500$ .