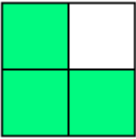
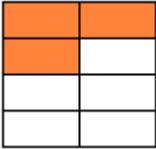



1.1 Fractions

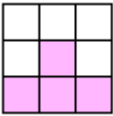
Name _____

Write the fraction representing the shaded amount, and the fraction representing the unshaded amount.

1.  shaded:
unshaded:

2.  shaded:
unshaded:

3.  shaded:
unshaded:

4.  shaded:
unshaded:

Simplify each fraction completely (reduce to lowest terms):

5. $\frac{6}{8}$

6. $\frac{15}{35}$

7. $\frac{14}{49}$

8. $\frac{48}{72}$

Write the requested fraction/s:

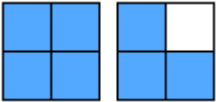
9. A professional basketball player made 7 free-throws out of 11 attempts. What fraction of the free-throws did he make?

10. A professional basketball player made 8 free-throws in 11 attempts.

(a) What fraction of the free-throws did he make?

(b) What fraction of the free-throws did he miss?

Write each shaded amount as both mixed number and as an improper fraction:

11.  mixed number:
improper fraction:

12.  mixed number:
improper fraction:

Answers: **1.** $\frac{3}{4}, \frac{1}{4}$; **3.** $\frac{2}{5}, \frac{3}{5}$; **5.** $\frac{3}{4}$; **7.** $\frac{2}{7}$; **9.** $\frac{7}{11}$; **11.** $1\frac{3}{4}, \frac{7}{4}$

Change each improper fraction to a mixed number or whole number:	
13. $\frac{5}{3}$	14. $\frac{23}{4}$
Change each mixed number to an improper fraction.	
15. $1\frac{4}{5}$	16. $2\frac{1}{3}$
Add, subtract, multiply, or divide. Reduce answers if possible.	
17. $\frac{7}{12} + \frac{1}{12}$	18. $\frac{7}{8} - \frac{3}{8}$
19. $\frac{7}{8} - \frac{5}{12}$	20. $\frac{7}{12} - \frac{1}{3}$
21. $\frac{3}{5} \cdot \frac{2}{9}$	22. $\frac{6}{8} \cdot \frac{4}{5}$
23. $\frac{3}{8} \div \frac{5}{12}$	24. $\frac{7}{9} \div \frac{2}{3}$
25. $5\frac{3}{5} \div 4$	26. $10 \div 2\frac{1}{2}$
Answers: 13. $1\frac{2}{3}$; 15. $\frac{9}{5}$; 17. $\frac{2}{3}$; 19. $\frac{11}{24}$; 21. $\frac{2}{15}$; 23. $\frac{9}{10}$; 25. $\frac{7}{5}$	

<p>27. In order to run electric power to his house, Jason must dig a trench $\frac{5}{8}$ of a mile long. If he has already dug $\frac{3}{10}$ of a mile of trench, how much does he have left to dig?</p>	<p>28. Jennifer mixes $1\frac{3}{8}$ pounds of cashews, $2\frac{1}{2}$ pounds of peanuts, and $2\frac{1}{4}$ pounds of almonds, how many pounds of mixed nuts will it make?</p>
<p>29. If $\frac{3}{4}$ pound of fudge candy is cut into 12 equal pieces, how much will each piece weigh?</p>	<p>30. Maria ran $1\frac{3}{8}$ miles every day for 12 days. How many total miles did she run during the 12 day period?</p>
<p>Answers: 27. $\frac{13}{40}$ mile ; 29. $\frac{1}{16}$ pound</p>	