

# Working with Fractions

Name \_\_\_\_\_



*Directions:* Find the solutions to the following problems in the Answer Bank. When you find a match, write the appropriate letter (or number) in the blank next to each question. Use your answers to decode the message.



Did you know ...

- $\frac{17}{11}$   $\frac{12}{21}$   $\frac{13}{18}$   $\frac{1}{4}$   $\frac{14}{13}$   $\frac{1}{17}$   $\frac{11}{2}$   $\frac{5}{7}$   $\frac{13}{21}$   $\frac{1}{13}$   $\frac{5}{7}$   $\frac{9}{12}$   $\frac{8}{15}$   $\frac{5}{17}$   $\frac{14}{12}$   $\frac{11}{13}$   $\frac{15}{17}$   $\frac{20}{12}$   $\frac{1}{13}$   $\frac{11}{6}$   $\frac{5}{17}$   $\frac{2}{11}$   $\frac{1}{11}$
- $\frac{5}{6}$   $\frac{10}{10}$   $\frac{1}{5}$   $\frac{5}{13}$   $\frac{11}{11}$   $\frac{6}{6}$   $\frac{1}{16}$   $\frac{1}{1}$   $\frac{13}{13}$   $\frac{11}{11}$   $\frac{15}{15}$   $\frac{17}{17}$   $\frac{3}{3}$   $\frac{19}{19}$   $\frac{13}{13}$   $\frac{17}{17}$   $\frac{8}{8}$   $\frac{21}{21}$   $\frac{6}{6}$   $\frac{19}{19}$

- \_\_\_1. Matt scored  $\frac{1}{3}$  of all the baskets in the last school basketball game. His teammate, Jason, scored  $\frac{3}{8}$  of all the baskets. Which of these two boys scored more points?
- \_\_\_2. Angela walks her dog at a walking speed of  $1\frac{1}{2}$  miles per hour. How far do they travel in 3 hours if this pace is maintained?
- \_\_\_3. One cubic foot of water contains  $7\frac{1}{2}$  gallons. How many gallons are there in  $3\frac{1}{2}$  cubic feet of water?
- \_\_\_4. Matt, Jason and Kevin are each holding a card with the numbers  $\frac{5}{12}$ ,  $\frac{1}{2}$ , and  $\frac{5}{8}$  written on them respectively. Who is holding the card with the smallest value?
- \_\_\_5. Divide 36 by  $\frac{1}{2}$ .
- \_\_\_6. If 12 is  $\frac{2}{5}$  of a number, find that number.
- \_\_\_7. Find  $4\frac{2}{3} - 1\frac{1}{2} + 3\frac{3}{4}$ .
- \_\_\_8. Multiply  $5\frac{2}{5}$  by  $8\frac{2}{3}$ .
- \_\_\_9. Of the computation values  $2\frac{1}{4} \times 74$  and  $10\frac{1}{2} \times 15$ , the larger product is \_\_\_\_\_.
- \_\_\_10. Find the average of  $8\frac{1}{2}$ ,  $3\frac{3}{8}$ ,  $10\frac{5}{8}$ ,  $6\frac{3}{4}$ , and  $4\frac{7}{8}$ .

\_\_\_ 11. Find  $\frac{1}{2}$  of  $\frac{1}{3}$ .

\_\_\_ 12. Find  $\frac{1}{2}$  divided by  $\frac{1}{3}$ .

\_\_\_ 13. The trustees of a 690 acre estate sold  $335\frac{1}{4}$  acres to a developer. How many acres were left in the estate?

\_\_\_ 14. Allison is  $56\frac{1}{2}$  inches tall. Caroline is  $53\frac{3}{4}$  inches tall. How much taller is Allison?

\_\_\_ 15. How many  $\frac{1}{4}$  pound bags can be filled from 12 pounds of M&Ms?

\_\_\_ 16. Change  $\frac{21}{8}$  to a mixed number.

\_\_\_ 17. How many  $4\frac{1}{2}$ 's are there in 72?

\_\_\_ 18. Which is largest?  $\frac{1}{2}$ ,  $\frac{7}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{12}$

\_\_\_ 19. Kevin weighed  $140\frac{3}{4}$  pounds 3 months ago. He lost  $2\frac{1}{8}$  pounds. Matt weighs  $138\frac{3}{8}$  pounds. Who now weighs more, Kevin or Matt?

\_\_\_ 20.  $\left(1\frac{2}{3}\right)^2 =$  \_\_\_

\_\_\_ 21. Find  $16\frac{1}{2} \times 2\frac{1}{10}$



### Answer Bank

<b>A</b> 72	<b>B</b> $6\frac{11}{12}$	<b>C</b> 18	<b>D</b> $6\frac{33}{40}$	<b>E</b> Jason	<b>F</b> Matt	<b>G</b> Kevin
<b>H</b> $2\frac{7}{9}$	<b>I</b> $34\frac{13}{20}$	<b>J</b> 3	<b>K</b> $34\frac{3}{5}$	<b>L</b> $166\frac{1}{2}$	<b>M</b> $4\frac{1}{2}$	<b>N</b> 30
<b>O</b> 16	<b>P</b> $26\frac{1}{4}$	<b>Q</b> $2\frac{3}{10}$	<b>R</b> $354\frac{3}{4}$	<b>S</b> $\frac{1}{6}$	<b>T</b> 48	<b>U</b> $1\frac{1}{2}$
<b>V</b> $2\frac{5}{8}$	<b>W</b> $46\frac{4}{5}$	<b>X</b> $30\frac{1}{2}$	<b>Y</b> $2\frac{3}{4}$	<b>Z</b> $\frac{7}{8}$		