LEVEL A, SKILL 1

Be sure to show all work. No calculators allowed.

1. Write 34.234 in words.
2. What is \( \frac{2}{5} \) as a decimal?
3. How many perfect squares are less than 100?
4. What is 30% of 500?
5. What is the smallest number divisible by 2, 3, and 5?
6. What percent of 50 is 10?
7. What is \( 3\frac{3}{4} \) divided by \( 2\frac{1}{2} \)?
8. What is the reciprocal of \( 4\frac{3}{4} \)?
9. What is the mean of the first four perfect squares?
10. If Jamar got 21 questions right out of 25 questions on a test, what percent did he miss?
11. What number divided by 2 is 3?
12. How many inches are there in a yard?
13. What percent of 12 is 3?
14. Add \( \frac{1}{4} \), 20% and .04 (express your answer as a fraction).
15. What is .03 subtracted from .4?
LEVEL A, SKILL 2

1. What is the sum of the factors of 24?
2. What is $\frac{3}{7}$ divided by $\frac{3}{4}$?
3. What is the reciprocal of $2\frac{4}{5}$?
4. What percent of 20 is 5?
5. How many ways can you make change for $10 using $1, $2 or $5 bills?
6. What is $3\frac{4}{5}$ minus $1\frac{2}{3}$?
7. What is $.333\ldots + \frac{2}{3}$ as a percent?
8. I had 40 marbles. I gave $\frac{1}{8}$ of them to Stacie. I then gave $\frac{1}{7}$ of the remaining marbles to Brian. How many did I end up with?
9. Express $\frac{4}{5}$ as a percent.
10. Multiply .2, 25%, and $\frac{2}{5}$. Express the answer as a decimal.
11. If Sarah got 48 out of 50 correct on her math test, what is her percent wrong?
12. What is 55% as a fraction?
13. Change 88% into a fraction.
14. Multiply $2\frac{1}{4}$ by $3\frac{1}{3}$.
15. 20% of what number is 30?

Answers
1. ____________
2. ____________
3. ____________
4. ____________
5. ____________
6. ____________
7. ____________
8. ____________
9. ____________
10. ___________
11. ___________
12. ___________
13. ___________
14. ___________
15. ___________
LEVEL A, SKILL 3

1. What is 40% of 300?  
2. Change \(3\frac{4}{7}\) into an improper fraction.  
3. How many ways can you make change for a quarter, using any combination of pennies, nickels, or dimes?  
4. What is 5% as a decimal?  
5. If five rabbits cost $120, how many could I buy for $360?  
6. What is \(2\frac{4}{5}\) subtracted from \(4\frac{2}{5}\)?  
7. Compute: \(\frac{3}{5} + \frac{2}{3}\)  
8. What is 99 divided by .3?  
9. If I start with 100 marbles and I give \(\frac{1}{4}\) to Courtne\(y\), and I then give \(\frac{1}{5}\) of the remaining marbles to Lance, how many do I end up?  
10. If Jamie got 22 out of 25 questions correct on a test, what is her percent right?  
11. How many pounds are in a ton?  
12. Change .755 into a percent.  

If I have 5 red, 12 green, and 3 blue marbles, find:  
13. The percent of green marbles.  
14. The percent of blue marbles.  
15. The percent of marbles that are not red.
LEVEL A, SKILL 4

1. How many inches are in 3 yards?

2. What is 70% expressed as a fraction?

3. Express $\frac{4}{5}$ as a percent.

4. 20% of what number is 12?

5. How many ways can I make change for $1 using any combination of dimes and quarters?

6. What is $\frac{4}{5}$ of $\frac{3}{4}$?

7. Find $3\frac{1}{2}$ subtracted from $5\frac{1}{2}$.

8. What is .34 expressed as a fraction?

9. What is the prime factorization of 500?

10. I started with 50 marbles. I gave Paul $\frac{1}{5}$ of them. I then gave $\frac{1}{8}$ of the remaining marbles to Lacy. How many do I have left?

11. What is the product of the first 4 even numbers?

12. Express $\frac{1}{3}$ as a decimal.

13. What is 12 less than the quotient of 100 and 5?

14. What is $1 + 2 + 3 + \ldots + 10$?

15. How many feet in a mile?

Answers

1. ____________

2. ____________

3. ____________

4. ____________

5. ____________

6. ____________

7. ____________

8. ____________

9. ____________

10. ____________

11. ____________

12. ____________

13. ____________

14. ____________

15. ____________
LEVEL A, SKILL 5

1. Change 24% into a fraction.
2. What is the reciprocal of $\frac{4 \frac{3}{10}}{}$?
3. What percent of 20 is 2?
4. If I started with 30 marbles and I gave $\frac{1}{5}$ to Alika, and I then gave $\frac{1}{5}$ of the remaining marbles to Tracy, how many did I end up with?
5. What is $3 \frac{1}{5}$ divided by $2 \frac{1}{5}$?
6. How many pounds are in $1 \frac{1}{2}$ tons?
7. What is $.01$ divided by $.2$?
8. What is the prime factorization of 5,000?
9. What is 120% expressed as a mixed number?
10. How many ways can I make change for $5 using only quarters and $1 bills?
11. Find the reciprocal of $\frac{4}{5}$ squared.
12. What is the product of the first five odd numbers?
13. Which is larger: $\frac{1}{3}$ of 96 or $\frac{1}{4}$ of 124
14. Change $\frac{7}{8}$ into a percent.
15. What is $66\frac{2}{3}\%$ as a decimal?

Answers
1. ____________
2. ____________
3. ____________
4. ____________
5. ____________
6. ____________
7. ____________
8. ____________
9. ____________
10. ___________
11. ___________
12. ___________
13. ___________
14. ___________
15. ___________