Name: _____

6th Grade Math: AMI Day 1

Absolute Value

CS1

Find the value:

1) $\lvert 4 \rvert =$	2) $\lvert -13 \rvert =$	3) $-\lvert 10 \rvert =$
4) $-\lvert -7 \rvert =$	5) $\lvert 11 \rvert =$	6) $\lvert -2 \rvert =$
7) $-\lvert 12 \rvert =$	8) $-\lvert 5 \rvert =$	9) $\lvert 1 \rvert =$
10) $\lvert -14 \rvert =$	11) $-\lvert 8 \rvert =$	12) $-\lvert -13 \rvert =$
13) $\lvert 3 \rvert =$	14) $\lvert -7 \rvert =$	15) $-\lvert 4 \rvert =$
16) $-\lvert -15 \rvert =$	17) $\lvert 9 \rvert =$	18) $\lvert -12 \rvert =$
19) $-\lvert 14 \rvert =$	20) $-\lvert -2 \rvert =$	21) $\lvert 5 \rvert =$
22) $\lvert -8 \rvert =$	23) $-\lvert 11 \rvert =$	24) $-\lvert -10 \rvert =$

Name : _____

6th Grade Math: AMI Day 2

Ratios and Rates

Express each ratio as a fraction in the simplest form.

1) 42 points out of 49 points _____

2) 8 snow days out of 22 days _____

3) 63 pounds to 84 pounds _____

4) 25 gallons to 50 gallons _____

5) 18 cakes out of 36 cakes _____

6) 6 pennies to 18 pennies _____

7) 66 inches to 72 inches _____

8) 35 dimes out of 84 coins _____

9) 12 red bikes out of 30 bikes _____

10) 12 beetles out of 36 insects _____

11) 20 rainy days out of 22 days _____

12) 18 pints to 24 pints _____

13) 6 feet out of 33 feet _____

14) 32 quarts to 40 quarts _____

15) 2 miles out of 8 miles _____

Solve each problem.

6th Grade Math AMI Day 3

1) A recipe called for the ratio of sugar to flour to be 4 : 1. If you used 28 ounce of sugar, how many ounces of flour would you need to use?

2) At a bake sale there were 48 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was 8 : 5, what is the combined amount of raisin and oatmeal cookies sold?

3) For homework, a student had to complete 16 problems total. If she finished 6 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?

4) In one day a movie store rented out 6 comedies. If the ratio of comedies rented to action movies rented was 3 : 1, how many action movies were rented?

5) A student finished 18 of her homework problems in class. If the ratio of problems she finished to problems she still had left was 6 : 1, how many homework problems did she have total?

6) A produce store offers red and green apples. In one morning they sold 48 apples total. If 20 of the apples they sold were red, what is the ratio of green apples sold to red apples sold?

7) The ratio of shoes sold to sandals sold was 10 : 7. If there were 40 shoes sold, how many sandals were sold?

8) A chess player won 32 of the games he played. If his ratio of wins to loses was 8 : 3, how many games did he play total?

9) A parking lot has 65 spaces total. If 30 of the spaces have cars in them, what is the ratio of empty spaces to filled spaces?

10) The ratio of red cars to blue cars in a parking lot was 4 : 3. If there were 20 red cars, how many blue cars were there?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Name : _____

MATH MONKS

Fractions: Multiplication and Division

6th Grade Math: AMI Day 4

All answers must be in simplified/reduced form.

1. $\frac{5}{3} \times \frac{18}{19}$

2. $\frac{14}{8} \times \frac{20}{9}$

3. $\frac{7}{8} \times \frac{15}{6}$

4. $\frac{4}{9} \div \frac{3}{5}$

5. $\frac{11}{12} \div \frac{4}{3}$

6. $\frac{13}{9} \div \frac{16}{3}$

7. $\frac{3}{5} \div \frac{17}{6} =$

8. $\frac{13}{9} \div \frac{1}{6} =$

9. $\frac{23}{25} \times \frac{15}{18}$

10. $2\frac{1}{4} \times 1\frac{2}{4}$

11. $1\frac{2}{3} \times 1\frac{1}{2}$

12. $6\frac{2}{3} \times 3\frac{1}{3}$

Name: _____

6th Grade Math: AMI Day 5

Fraction mixed operations word problems

1. Ellen planned to interview some applicants for a position in her office. If she scheduled $\frac{1}{4}$ of an hour to meet each of them, how much time did she schedule for all 6 applicants?

2. Instead of $\frac{1}{4}$ of an hour, Ellen spent $\frac{1}{3}$ of an hour to meet each applicant. How much more time did she spend meeting all the applicants?

3. After the interview, Ellen decided to hire two of the applicants and reject the others. Ellen's assistant called back the applicants to tell them the result. She spent $\frac{1}{30}$ of an hour calling each of the rejected applicants and $\frac{1}{3}$ of an hour calling the hired applicants. How much time did the assistant spend making these calls?

4. Ethan is printing some materials for a meeting. If the printing of the first copy costs $1\frac{1}{2}$ dollars and other copies cost $\frac{4}{5}$ of a dollar each to print, how much will it cost if he is making 13 copies?

5. Ethan decides to type up some documents while waiting for the meeting to start. He can type 2 pages every $\frac{1}{8}$ hour. If the meeting started $\frac{3}{4}$ hour later than the scheduled time, how many pages can he type before the meeting starts?

6. Ethan is responsible to write the minutes for the meeting. During the meeting, he finished writing $\frac{1}{6}$ of the minutes. Before getting off work, he finished another $\frac{3}{8}$ of the minutes. How much of the minutes does Ethan still need to work on?