

6th Grade Assignment – Week #13

Individual Work:

- *Flashcards!* (Yes, learning these facts is still important.) Are you keeping up with the flashcard? The facts you should learned through flashcards are found on Sheet #2, Sheet #6, and Sheet #9. Learning these facts will help your future math studies. It only takes a couple of minutes per day.
- See how much you can do on Sheet #13 in the workbook.
But be sure to save problems #36-48 for group work!

Group Assignments:

Note for Parents: Make sure the students don't work on these problems before meeting with their groups, and make sure they don't see the answers until after they finish the problems.

For Tuesday:

- Do problems #36-48 from Sheet #13.
 1. *Challenge!* Convert $0.07\overline{06}$ into a fraction.

For Thursday: Do as many of these problems as you can. Don't forget to reduce your final answer.

2. Convert $0.4\overline{23}$ into a fraction.
3. Convert $0.2\overline{037}$ into a fraction.
4. Convert $0.41\overline{6}$ into a fraction.

6th Grade Math – Sheet #13

Memorized facts.

- 1) $13 \cdot 4$
 - 2) $25 \cdot 6$
 - 3) 15^2
 - 4) Convert $\frac{2}{5}$
 - 5) Convert $\frac{5}{6}$
 - 6) Convert $\frac{1}{8}$
 - 7) Convert $0.\bar{6}$
 - 8) Convert 0.1
 - 9) Convert 0.75
 - 10) 2^3
 - 11) 3^3
 - 12) 4^3
 - 13) 5^3
 - 14) 2^{10}
 - 15) 5^4
 - 16) 2^5
 - 17) 4^5
- Optional Ones:*
- 18) $18 \cdot 4$
 - 19) $16 \cdot 5$
 - 20) $14 \cdot 4$
 - 21) 8^3
 - 22) 2^8
 - 23) 3^5

Do it in your head.

- 24) $800 \cdot 50$
- 25) $356.2 \div 100$
- 26) $1.1 \cdot 5.8$
- 27) $3000 \div 4$
- 28) $(0.12)^2$
- 29) $\sqrt{\frac{16}{25}}$
- 30) $0.15 \div 0.003$
- 31) $7 \cdot 99$
- 32) $6 \cdot 99999$
- 33) $600 \div 800$
- 34) $28 \div 35$
- 35) $18000 \div 81000$
- 36) Convert $\frac{41}{100}$
- 37) Convert $\frac{208}{999}$
- 38) Convert $\frac{11}{20}$
- 39) Convert $\frac{10}{11}$
- 40) Convert $\frac{43}{999}$
- 41) Convert $\frac{43}{9990}$
- 42) Convert $\frac{7}{99000}$
- 43) Convert 0.83
- 44) Convert 0.083
- 45) Convert 0.83
- 46) Convert 0.083
- 47) Convert 0.083
- 48) Convert 0.00083

Divisibility.

State whether each of the following numbers is evenly divisible by 2, 3, 4, 5, 9, or 10.

- 49) 609,348
- 50) 86,175
- 51) *Division.*
Leave your answer as an exact decimal.
 $87.1 \div 16000$

Fractions.

- 52) $80\frac{1}{6} - 70\frac{5}{8}$
- 53) $(\frac{9}{70})^3$

54) What is $\frac{1}{8}$ of 4000?

55) What is $\frac{5}{6}$ of 420?

56) What is half of $\frac{7}{9}$?

57) What is half of $\frac{6}{11}$?

58) What is $\frac{3}{7}$ doubled?

59) What is $\frac{3}{16}$ doubled?

60) Reduce $\frac{400}{450}$

61) Reduce $\frac{306}{1980}$

62) Reduce $\frac{1560}{2520}$

Formulas.

Temperature conversion formulas:

$$C = \frac{5}{9} \cdot (F - 32)$$

$$F = \frac{9}{5} \cdot C + 32$$

63) What is 25°C in Fahrenheit?

64) What is 52°F in Celsius?

Measurement.

65) 5¾ pounds is how many ounces?

66) 8½ feet is how many inches?

67) 18480 feet is how many miles?

68) 15 gallons of juice is brought on a camping trip. If there are 64 people on the trip, then how much juice is there per person? (Give your answer both in fluid ounces and in cups.)

69) *Unit Cost.*

6 pounds of bananas cost \$3.18. How much do 5 pounds of bananas cost?

Metric.

70) Measure the line below in inches, centimeters and millimeters.

71) Measure the length of the lines that separate the columns on this page, in inches, centimeters, and millimeters.