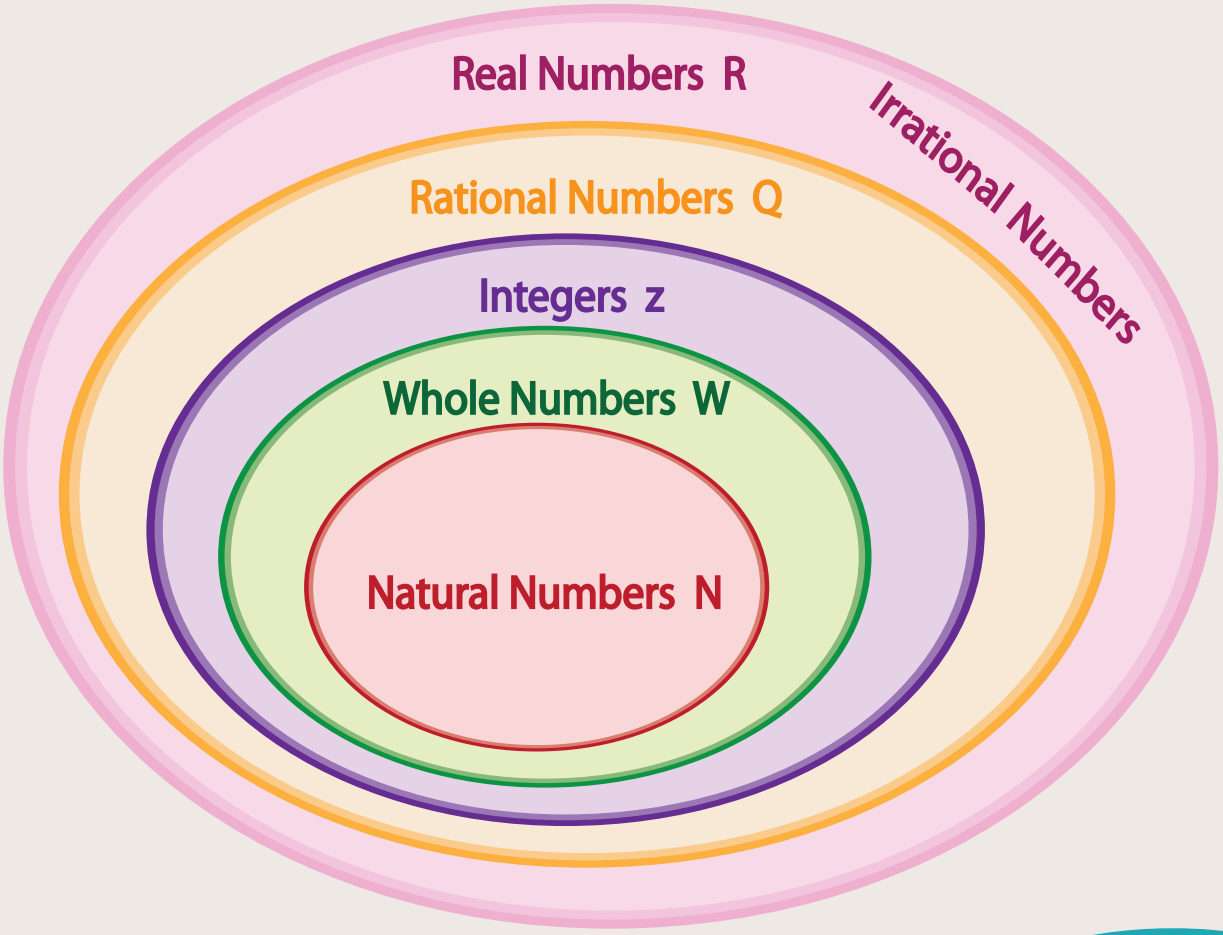
6th Grade

Number System



Workbook 1

MathWorksheets4Kids.com

Dividing Fractions

$\frac{3}{5} \div \frac{9}{5} =$ ☐ $\frac{8}{7} \div \frac{4}{6} =$ ☐ $\frac{1}{2} \div \frac{6}{5} =$ ☐

$\frac{10}{8} \div \frac{1}{6} =$ ☐ $\frac{4}{11} \div \frac{8}{3} =$ ☐ $\frac{5}{2} \div \frac{4}{2} =$ ☐

$\frac{3}{15} \div \frac{6}{5} =$ ☐ $\frac{7}{4} \div \frac{14}{8} =$ ☐ $\frac{8}{9} \div \frac{4}{3} =$ ☐

$\frac{1}{6} \div \frac{3}{2} =$ ☐ $\frac{11}{10} \div \frac{4}{5} =$ ☐ $\frac{2}{7} \div \frac{15}{14} =$ ☐

$\frac{3}{5} \div \frac{4}{2} =$ ☐ $\frac{6}{20} \div \frac{4}{5} =$ ☐ $\frac{12}{9} \div \frac{5}{10} =$ ☐

Dividing Fractions

$\frac{9}{10} \div 2\frac{2}{5} =$ ☐ $4\frac{1}{4} \div \frac{1}{4} =$ ☐ $5\frac{1}{3} \div \frac{4}{7} =$ ☐

$\frac{12}{15} \div 1\frac{1}{10} =$ ☐ $\frac{14}{27} \div 7\frac{7}{9} =$ ☐ $3\frac{9}{10} \div \frac{1}{5} =$ ☐

$\frac{7}{8} \div 2\frac{5}{8} =$ ☐ $\frac{2}{11} \div 4\frac{2}{3} =$ ☐ $9\frac{3}{5} \div \frac{12}{13} =$ ☐

$\frac{5}{6} \div 2\frac{6}{17} =$ ☐ $\frac{20}{25} \div 3\frac{1}{5} =$ ☐ $7\frac{6}{7} \div \frac{11}{12} =$ ☐

$\frac{6}{8} \div 5\frac{2}{5} =$ ☐ $10\frac{1}{2} \div \frac{6}{8} =$ ☐ $\frac{3}{14} \div 4\frac{2}{7} =$ ☐

Dividing Fractions

$2\frac{1}{3} \div \frac{7}{6} =$ ☐ $\frac{15}{4} \div 1\frac{6}{5} =$ ☐ $\frac{11}{10} \div 3\frac{1}{2} =$ ☐

$\frac{9}{7} \div 3\frac{6}{7} =$ ☐ $7\frac{4}{5} \div \frac{13}{8} =$ ☐ $4\frac{3}{4} \div \frac{3}{2} =$ ☐

$\frac{5}{3} \div 6\frac{3}{7} =$ ☐ $3\frac{8}{9} \div \frac{14}{9} =$ ☐ $\frac{10}{9} \div 4\frac{4}{3} =$ ☐

$7\frac{1}{3} \div \frac{11}{7} =$ ☐ $\frac{12}{5} \div 2\frac{3}{7} =$ ☐ $8\frac{5}{6} \div \frac{9}{2} =$ ☐

$\frac{8}{7} \div 3\frac{1}{3} =$ ☐ $9\frac{2}{9} \div \frac{10}{9} =$ ☐ $\frac{8}{5} \div 1\frac{2}{7} =$ ☐

Division without Remainder

1) $8\overline{)1632}$	2) $5\overline{)3095}$	3) $2\overline{)8176}$	4) $6\overline{)7254}$
5) $3\overline{)9561}$	6) $7\overline{)4578}$	7) $4\overline{)6864}$	8) $9\overline{)8073}$
9) $6\overline{)3588}$	10) $2\overline{)7342}$	11) $5\overline{)1850}$	12) $8\overline{)2184}$
13) $4\overline{)8436}$	14) $3\overline{)5481}$	15) $9\overline{)6579}$	16) $7\overline{)6125}$

Division without Remainder

1) $13\overline{)6\ 2\ 2\ 7}$	2) $65\overline{)2\ 4\ 0\ 5}$	3) $72\overline{)3\ 1\ 6\ 8}$	4) $24\overline{)1\ 9\ 2\ 0}$
5) $53\overline{)8\ 7\ 4\ 5}$	6) $41\overline{)5\ 8\ 6\ 3}$	7) $37\overline{)9\ 4\ 7\ 2}$	8) $89\overline{)2\ 5\ 8\ 1}$
9) $27\overline{)6\ 3\ 4\ 5}$	10) $97\overline{)4\ 9\ 4\ 7}$	11) $64\overline{)8\ 4\ 4\ 8}$	12) $32\overline{)3\ 6\ 8\ 0}$
13) $84\overline{)7\ 2\ 2\ 4}$	14) $76\overline{)1\ 4\ 4\ 4}$	15) $57\overline{)5\ 8\ 7\ 1}$	16) $19\overline{)4\ 7\ 8\ 8}$
17) $25\overline{)9\ 1\ 2\ 5}$	18) $44\overline{)1\ 2\ 7\ 6}$	19) $98\overline{)6\ 6\ 6\ 4}$	20) $33\overline{)2\ 3\ 1\ 0}$

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Least Common Multiple

Find the least common multiple of each pair of numbers.

1) 9, 15

LCM(9, 15) = _____

2) 4, 8

LCM(4, 8) = _____

3) 18, 3

LCM(18, 3) = _____

4) 22, 6

LCM(22, 6) = _____

5) 9, 21

LCM(9, 21) = _____

6) 2, 3

LCM(2, 3) = _____

7) 14, 4

LCM(14, 4) = _____

8) 5, 25

LCM(5, 25) = _____

9) 7, 6

LCM(7, 6) = _____

10) 12, 20

LCM(12, 20) = _____

Least Common Multiple

Find the least common multiple of each set of numbers.

1) 6, 16, 8

LCM(6, 16, 8) = _____

2) 4, 12, 20

LCM(4, 12, 20) = _____

3) 36, 18, 9

LCM(36, 18, 9) = _____

4) 24, 72, 96

LCM(24, 72, 96) = _____

5) 24, 18, 30

LCM(24, 18, 30) = _____

6) 40, 20, 60

LCM(40, 20, 60) = _____

7) 27, 36, 90

LCM(27, 36, 90) = _____

8) 14, 8, 16

LCM(14, 8, 16) = _____

9) 15, 30, 45

LCM(15, 30, 45) = _____

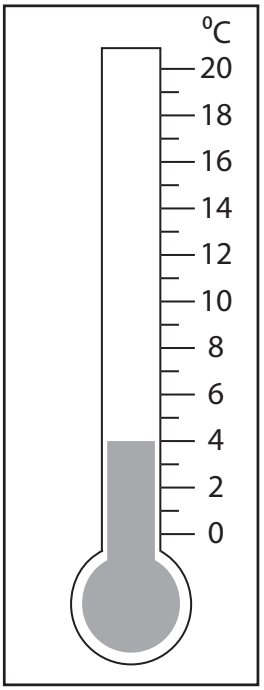
10) 10, 4, 24

LCM(10, 4, 24) = _____

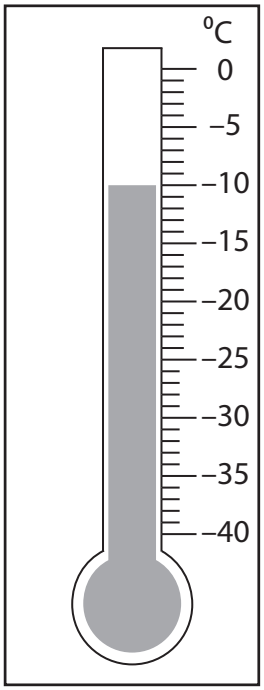
Add and Subtract Integers - Thermometer

Find the new reading for each thermometer, if there is a

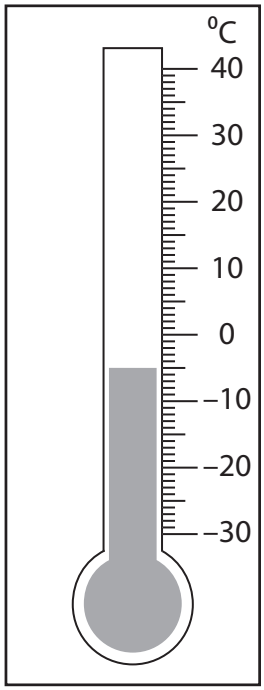
1) rise by 13°C.



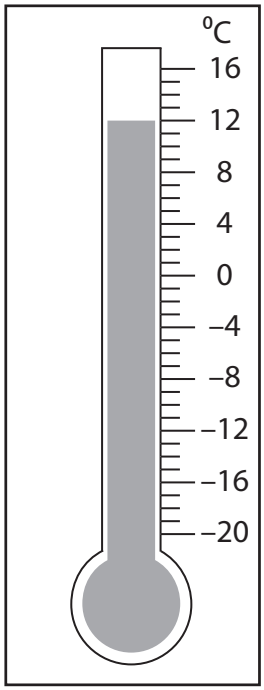
2) fall by 26°C.



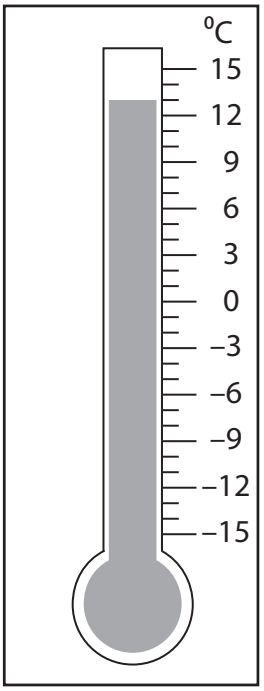
3) rise by 45°C.



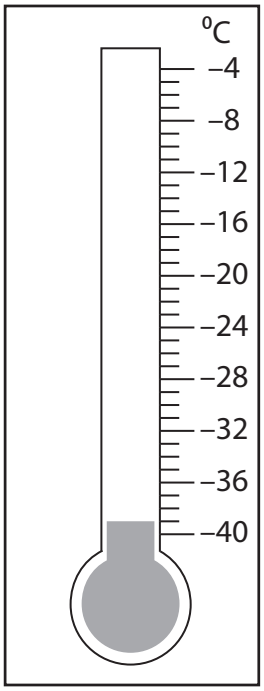
4) fall by 8°C.



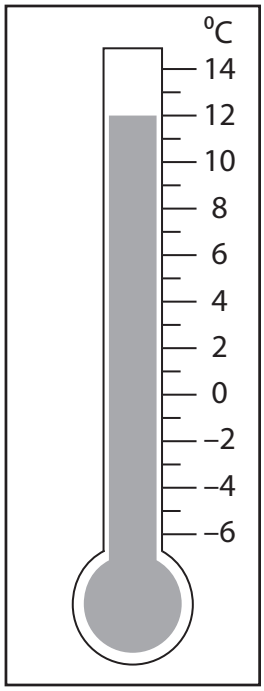
5) fall by 28°C.



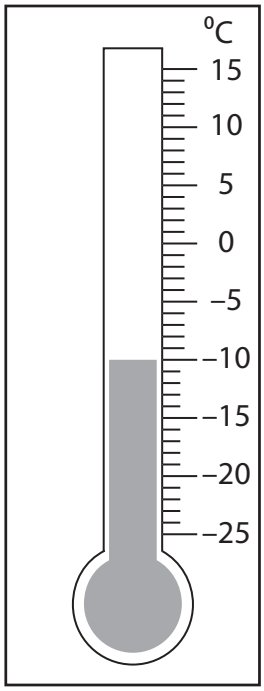
6) rise by 31°C.



7) fall by 14°C.



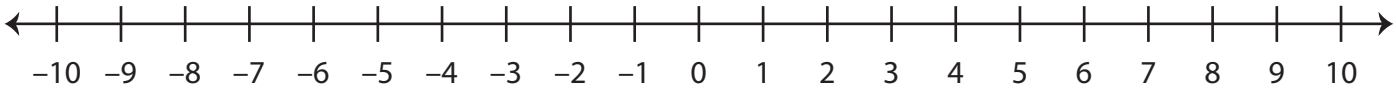
8) rise by 20°C.



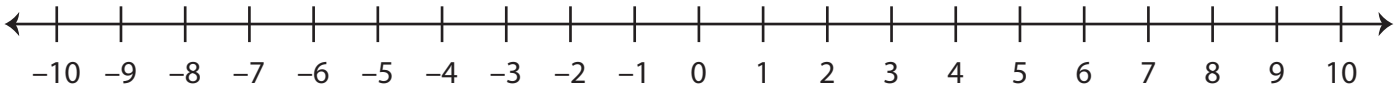
Number Line - Integers

A) Mark the integers on the number line.

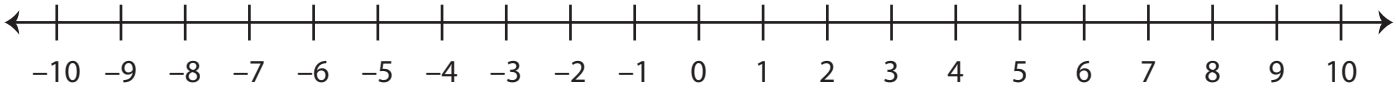
1) a) –2 b) 7 c) –5 d) 1



2) a) 9 b) –4 c) 3 d) –8



B) Answer the questions using the number line below.



1) 2 units to the left of 3 is _____

2) 6 units to the right of –1 is _____

3) 4 units to the left of –4 is _____

4) 3 units to the right of 7 is _____

5) 1 unit to the left of 10 is _____

6) 5 units to the right of –6 is _____

7) 8 units to the left of 5 is _____

Integers

A) Write the opposite value of each integer.

1) Opposite of –51 _____

2) Opposite of 9 _____

3) Opposite of 32 _____

4) Opposite of –74 _____

5) Opposite of –6 _____

6) Opposite of 20 _____

7) Opposite of 83 _____

8) Opposite of –18 _____

B) Write the absolute value of each integer.

1) $|-13|$ _____

2) $-|-37|$ _____

3) $-|-91|$ _____

4) $|52|$ _____

5) $|16|$ _____

6) $-|88|$ _____

7) $-|45|$ _____

8) $|-7|$ _____

C) Compare using the symbols <, > or =.

1) Absolute value of –34 ☐ Opposite of $|17|$

2) Opposite of –25 ☐ Absolute value of –25

3) Opposite of 11 ☐ Opposite of 14

4) Absolute value of 40 ☐ Absolute value of –85