



## Sixth Grade - Fractions

1) Simplify the  $(12/5) \times (13/7)$  without calculator and leave the answer as a fraction in the least form.

- 156/35
- 126/15
- 111/20
- 216/25

2) Simplify the  $(22/15) \times (23/17)$  without calculator and leave the answer as a fraction in the least form.

- 456/315
- 206/215
- 136/120
- 506/255

3) Simplify the  $(21/15) \times (33/7)$  without calculator and leave the answer as a fraction in the least form.

- 693/105
- 543/125
- 193/95
- 393/115

4) Simplify the  $(29/15) \times (13/57)$  without calculator and leave the answer as a fraction in the least form.

- 277/635
- 377/855
- 177/215
- 247/755

5) Simplify the  $(39/25) \times (43/17)$  without calculator and leave the answer as a fraction in the least form.



- 677/105
- 1457/325
- 1817/225
- 1677/425

6) Simplify the  $(69/15) \times (13/16)$  without calculator and leave the answer as a fraction in the least form.

- 497/111
- 797/140
- 537/170
- 897/240

7) Simplify the  $(69/89) \times (13/16)$  without calculator and leave the answer as a fraction in the least form.

- 897/1424
- 717/1124
- 797/1234
- 456/1333

8) Simplify the  $(169/89) \times (103/6)$  without calculator and leave the answer as a fraction in the least form.

- 12367/224
- 15307/434
- 17407/534
- 14407/313

9) Simplify the  $(39/29) \times (3/16)$  without calculator and leave the answer as a fraction in the least form.

- 117/464
- 217/454
- 191/384
- 311/344



10) Simplify the  $(139/9) \times (13/36)$  without calculator and leave the answer as a fraction in the least form.

- 1807/324
- 1818/223
- 1717/294
- 1517/134

11) Simplify the  $(17/12) \div (6/9)$  without calculator and leave the answer as a fraction in the least form.

- 23/5
- 21/4
- 17/8
- 15/4

12) Simplify the  $(27/22) \div (11/12)$  without calculator and leave the answer as a fraction in the least form.

- 162/121
- 151/111
- 253/123
- 165/101

13) Simplify the  $(7/2) \div (10/12)$  without calculator and leave the answer as a fraction in the least form.

- 29/5
- 21/5
- 11/4
- 19/3

14) Simplify the  $(17/22) \div (210/120)$  without calculator and leave the answer as a fraction in the least form.

- 23/10



- $34/77$
- $43/66$
- $34/19$

15) Simplify the  $(87/40) \div (80/28)$  without calculator and leave the answer as a fraction in the least form.

- $429 / 600$
- $609 / 800$
- $509 / 700$
- $426 / 800$

16) Simplify the  $(27/40) \div (30/28)$  without calculator and leave the answer as a fraction in the least form.

- $53/78$
- $51/97$
- $43/88$
- $63/100$

17) Simplify the  $(117 /60) \div (90/27)$  without calculator and leave the answer as a fraction in the least form.

- $217/450$
- $117/200$
- $177/150$
- $111/200$

18) Simplify the  $(47 /60) \div (47/90)$  without calculator and leave the answer as a fraction in the least form.

- $6/7$
- $3/2$
- $2/3$
- $4/5$



19) Simplify the  $(56/60) \div (78/90)$  without calculator and leave the answer as a fraction in the least form.

- 23/13
- 12/17
- 14/13
- 12/18

20) Simplify the  $(66/60) \div (78/70)$  without calculator and leave the answer as a fraction in the least form

- 13/15
- 23/20
- 19/30
- 33/35

21) Your job is to color wash  $3/4$  of the school's hall. Your friend agrees to help you and color wash  $1/4$  of your work. What fraction of the entire hall your friend agreed to color

- 6/17
- 2/11
- 9/16
- 4/15

22) Emy's job is to color wash  $2/3$  of the drawing room. Her friend agrees to help Emy and color wash  $1/2$  of her work. What fraction of the entire room Emy's friend agreed to color wash? What fraction of the entire hall Emy will have to do?

- 2/3
- 4/5
- 3/4
- 1/3

23) Tom's job is to color wash  $11/15$  of the compound wall. His friend agrees to help Tom and color



wash  $\frac{13}{15}$  of Tom's work. What fraction of the entire wall Tom's friend agreed to color wash? What fraction of the entire hall Tom will have to do?

- $\frac{22}{225}$
- $\frac{11}{135}$
- $\frac{41}{155}$
- $\frac{15}{219}$

24) Jack's job is to color wash  $\frac{12}{13}$  of the school's hall. His friend agrees to help Jack and color wash  $\frac{13}{15}$  of his work. What fraction of the entire hall Jack's friend agreed to color wash? What fraction of the entire hall Jack will have to do?

- $\frac{6}{57}$
- $\frac{4}{55}$
- $\frac{8}{65}$
- $\frac{7}{43}$

25) Your job is to color wash  $\frac{4}{6}$  of the auditorium's hall. Your friend agrees to help you and color wash  $\frac{4}{5}$  of your work. What fraction of the entire auditorium's hall your friend agreed to color wash? What fraction of the entire auditorium's hall you will have to do?

- $\frac{2}{9}$
- $\frac{4}{13}$
- $\frac{5}{13}$
- $\frac{2}{15}$

26) My mom's job is to color wash  $\frac{1}{4}$  of the kitchen wall. I agrees to help mom and color wash  $\frac{4}{5}$  of her work. What fraction of the entire wall I agreed to color wash? What fraction of the entire hall my mom will have to do?

- $\frac{3}{10}$
- $\frac{1}{20}$
- $\frac{2}{15}$
- $\frac{4}{13}$



27) Peter's job is to color wash  $\frac{3}{4}$  of the office wall. His friend agrees to help Peter and color wash  $\frac{4}{8}$  of his work. What fraction of the entire wall Peter's friend agreed to color wash? What fraction of the entire wall Peter will have to do?

- $\frac{2}{9}$
- $\frac{4}{7}$
- $\frac{3}{8}$
- $\frac{1}{8}$

28) Your job is to color wash  $\frac{3}{5}$  of the school's hall. Your friend agrees to help you and color wash  $\frac{5}{9}$  of your work. What fraction of the entire hall your friend agreed to color wash? What fraction of the entire hall you will have to do?

- $\frac{6}{7}$
- $\frac{3}{5}$
- $\frac{4}{5}$
- $\frac{2}{5}$

29) Mr. John's job is to color wash  $\frac{3}{4}$  of the room. His son agrees to help John and color wash  $\frac{4}{9}$  of his work. What fraction of the entire room his son agreed to color wash? What fraction of the entire room Mr. John will have to do?

- $\frac{9}{20}$
- $\frac{5}{12}$
- $\frac{7}{17}$
- $\frac{4}{13}$

30) Alex's job is to color wash  $\frac{3}{7}$  of the clinic. His friend agrees to help Alex and color wash  $\frac{7}{9}$  of his work. What fraction of the entire clinic Alex's friend agreed to color wash? What fraction of the entire hall Alex will have to do?

- $\frac{1}{19}$
- $\frac{2}{21}$
- $\frac{3}{17}$
- $\frac{3}{16}$

