



Sixth Grade - Fractions

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

- 217/454
- 117/464
- 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.

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

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

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

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

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

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

- 23/10



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

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

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

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

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

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

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

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

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



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

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

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

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?

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

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?

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

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?

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

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?

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



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?

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

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?

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

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?

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

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?

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

