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Accuplacer Math Workbook 2020 - 2021

The Most Comprehensive Review for the Math Section of the Accuplacer Test

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Reza Nazari

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Accuplacer Math Workbook 2020 - 2021

The Most Comprehensive Review for the Math section of the Accuplacer Test

By

Reza Nazari

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Reza Nazari

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Description

Accuplacer Math Workbook 2020 – 2021, which reflects the 2020 – 2021 test guidelines and topics, provides students with the confidence and math skills they need to succeed on the Accuplacer Math, offering a solid foundation of Math topics with abundant exercises for each topic. It is designed to address the needs of Accuplacer test takers who must have a working knowledge of basic Math.

This comprehensive workbook with over 2,500 sample questions and 2 full-length Accuplacer Math tests is all you need to fully prepare for the Accuplacer Math. It will help you learn everything you need to ace the Accuplacer Math test.

This Accuplacer Math workbook's new edition has been updated to replicate questions appearing on the most recent Accuplacer math tests. Upon completion of this workbook, you will have a solid foundation and sufficient practice to ace the Accuplacer Math test. **This workbook is your ticket to scoring higher on Accuplacer Math.**

Inside the pages of this comprehensive Accuplacer Math workbook, you can learn basic math operations in a structured manner with a complete study program to help you understand essential math skills. It also has many exciting features, including:

- ✓ Content 100% aligned with the 2020 Accuplacer test
- ✓ Written by Accuplacer Math tutors and test experts
- ✓ Complete coverage of all Accuplacer Math concepts and topics which you will be tested
- ✓ Over 2,500 additional Accuplacer math practice questions in both multiple-choice and grid-in formats with answers grouped by topic, so you can focus on your weak areas
- ✓ Abundant Math skill building exercises to help test-takers approach different question types that might be unfamiliar to them
- ✓ Exercises on different Accuplacer Math topics such as integers, percent, equations, polynomials, exponents and radicals
- ✓ 2 full-length practice tests (featuring new question types) with detailed answers

This Accuplacer Math Workbook and other Effortless Math Education books are used by thousands of students each year to help them review core content areas, brush-up in math, discover their strengths and weaknesses, and achieve their best scores on the Accuplacer test.

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Name: ……	Date: ……

Homework: #.....

Simplifying Fractions

Simplify each fraction.

1) $\frac{10}{15} =$

2) $\frac{8}{20} =$

3) $\frac{12}{42} =$

4) $\frac{5}{20} =$

5) $\frac{6}{18} =$

6) $\frac{18}{27} =$

7) $\frac{15}{55} =$

8) $\frac{24}{54} =$

9) $\frac{63}{72} =$

10) $\frac{40}{64} =$

11) $\frac{23}{46} =$

12) $\frac{35}{63} =$

13) $\frac{32}{36} =$

14) $\frac{81}{99} =$

15) $\frac{16}{64} =$

16) $\frac{14}{35} =$

17) $\frac{19}{38}$

18) $\frac{18}{54} =$

19) $\frac{56}{70} =$

20) $\frac{40}{45} =$

21) $\frac{9}{90} =$

22) $\frac{20}{25} =$

23) $\frac{32}{48} =$

24) $\frac{7}{49} =$

25) $\frac{18}{48} =$

26) $\frac{54}{108} =$

Name: ……	Date: ……

Homework: #.....

Multiplying Mixed Numbers

Solve and write the answer in lowest terms.

1) $1\frac{1}{8} \times 1\frac{3}{4} =$

2) $3\frac{1}{5} \times 2\frac{2}{7} =$

3) $2\frac{1}{8} \times 1\frac{2}{9} =$

4) $2\frac{3}{8} \times 2\frac{2}{5} =$

5) $1\frac{1}{2} \times 5\frac{2}{3} =$

6) $3\frac{1}{2} \times 6\frac{2}{3} =$

7) $9\frac{1}{2} \times 2\frac{1}{6} =$

8) $2\frac{5}{8} \times 8\frac{3}{5} =$

9) $3\frac{4}{5} \times 4\frac{2}{3} =$

10) $5\frac{1}{3} \times 2\frac{2}{7} =$

11) $6\frac{1}{3} \times 3\frac{3}{4} =$

12) $7\frac{2}{3} \times 1\frac{8}{9} =$

13) $8\frac{1}{2} \times 2\frac{1}{6} =$

14) $4\frac{1}{5} \times 8\frac{2}{3} =$

15) $3\frac{1}{8} \times 5\frac{2}{3} =$

16) $2\frac{2}{7} \times 6\frac{2}{5} =$

17) $2\frac{3}{8} \times 7\frac{2}{3} =$

18) $1\frac{7}{8} \times 8\frac{2}{3} =$

19) $9\frac{1}{2} \times 3\frac{1}{5} =$

20) $2\frac{5}{8} \times 4\frac{1}{3} =$

21) $6\frac{1}{3} \times 3\frac{2}{5} =$

22) $5\frac{3}{4} \times 2\frac{2}{7} =$

23) $9\frac{1}{4} \times 2\frac{1}{3} =$

24) $3\frac{3}{7} \times 7\frac{2}{5} =$

25) $4\frac{1}{4} \times 3\frac{2}{5} =$

26) $7\frac{2}{3} \times 3\frac{2}{5} =$

Name: …… Date: ……

Homework: #…..

Multiplying Mixed Numbers - Answers

Solve and write the answer in lowest terms.

1) $1\frac{1}{8} \times 1\frac{3}{4} = 1\frac{31}{32}$

2) $3\frac{1}{5} \times 2\frac{2}{7} = 7\frac{11}{35}$

3) $2\frac{1}{8} \times 1\frac{2}{9} = 2\frac{43}{72}$

4) $2\frac{3}{8} \times 2\frac{2}{5} = 5\frac{7}{10}$

5) $1\frac{1}{2} \times 5\frac{2}{3} = 8\frac{1}{2}$

6) $3\frac{1}{2} \times 6\frac{2}{3} = 23\frac{1}{3}$

7) $9\frac{1}{2} \times 2\frac{1}{6} = 20\frac{7}{12}$

8) $2\frac{5}{8} \times 8\frac{3}{5} = 22\frac{23}{40}$

9) $3\frac{4}{5} \times 4\frac{2}{3} = 17\frac{11}{15}$

10) $5\frac{1}{3} \times 2\frac{2}{7} = 12\frac{4}{21}$

11) $6\frac{1}{3} \times 3\frac{3}{4} = 23\frac{3}{4}$

12) $7\frac{2}{3} \times 1\frac{8}{9} = 14\frac{13}{27}$

13) $8\frac{1}{2} \times 2\frac{1}{6} = 18\frac{5}{12}$

14) $4\frac{1}{5} \times 8\frac{2}{3} = 36\frac{2}{5}$

15) $3\frac{1}{8} \times 5\frac{2}{3} = 17\frac{17}{24}$

16) $2\frac{2}{7} \times 6\frac{2}{5} = 14\frac{22}{35}$

17) $2\frac{3}{8} \times 7\frac{2}{3} = 18\frac{5}{24}$

18) $1\frac{7}{8} \times 8\frac{2}{3} = 16\frac{1}{4}$

19) $9\frac{1}{2} \times 3\frac{1}{5} = 30\frac{2}{5}$

20) $2\frac{5}{8} \times 4\frac{1}{3} = 11\frac{3}{8}$

21) $6\frac{1}{3} \times 3\frac{2}{5} = 21\frac{8}{15}$

22) $5\frac{3}{4} \times 2\frac{2}{7} = 13\frac{1}{7}$

23) $9\frac{1}{4} \times 2\frac{1}{3} = 21\frac{7}{12}$

24) $3\frac{3}{7} \times 7\frac{2}{5} = 25\frac{13}{35}$

25) $4\frac{1}{4} \times 3\frac{2}{5} = 14\frac{9}{20}$

26) $7\frac{2}{3} \times 3\frac{2}{5} = 26\frac{1}{15}$

Name: ……	Date: ……

Homework: #.....

Dividing Mixed Numbers

Solve and write the answer in lowest terms.

1) $9\frac{1}{2} \div 2\frac{3}{5} =$

2) $2\frac{3}{8} \div 1\frac{2}{5} =$

3) $5\frac{3}{4} \div 2\frac{2}{7} =$

4) $8\frac{1}{3} \div 4\frac{1}{4} =$

5) $7\frac{2}{5} \div 3\frac{3}{4} =$

6) $2\frac{4}{5} \div 3\frac{2}{3} =$

7) $8\frac{3}{5} \div 4\frac{3}{4} =$

8) $6\frac{3}{4} \div 2\frac{2}{9} =$

9) $5\frac{2}{7} \div 2\frac{2}{9} =$

10) $2\frac{2}{5} \div 3\frac{3}{5} =$

11) $4\frac{3}{7} \div 1\frac{7}{8} =$

12) $2\frac{5}{7} \div 2\frac{4}{5} =$

13) $8\frac{3}{5} \div 6\frac{1}{5} =$

14) $2\frac{5}{8} \div 1\frac{8}{9} =$

15) $5\frac{6}{7} \div 2\frac{3}{4} =$

16) $1\frac{3}{5} \div 2\frac{3}{8} =$

17) $5\frac{3}{4} \div 3\frac{2}{5} =$

18) $2\frac{3}{4} \div 3\frac{1}{5} =$

19) $3\frac{2}{3} \div 1\frac{2}{5} =$

20) $4\frac{1}{4} \div 2\frac{2}{3} =$

21) $3\frac{5}{6} \div 2\frac{4}{5} =$

22) $2\frac{1}{8} \div 1\frac{3}{4} =$

23) $5\frac{1}{2} \div 2\frac{2}{5} =$

24) $3\frac{4}{7} \div 2\frac{2}{3} =$

25) $2\frac{4}{5} \div 3\frac{5}{6} =$

26) $2\frac{3}{7} \div 3\frac{2}{3} =$

Name: …… Date: ……

Homework: #…..

Dividing Mixed Numbers - Answers

Solve and write the answer in lowest terms.

1) $9\frac{1}{2} \div 2\frac{3}{5} = 3\frac{17}{26}$

2) $2\frac{3}{8} \div 1\frac{2}{5} = 1\frac{39}{56}$

3) $5\frac{3}{4} \div 2\frac{2}{7} = 2\frac{33}{64}$

4) $8\frac{1}{3} \div 4\frac{1}{4} = 1\frac{49}{51}$

5) $7\frac{2}{5} \div 3\frac{3}{4} = 1\frac{73}{75}$

6) $2\frac{4}{5} \div 3\frac{2}{3} = \frac{42}{55}$

7) $8\frac{3}{5} \div 4\frac{3}{4} = 1\frac{77}{95}$

8) $6\frac{3}{4} \div 2\frac{2}{9} = 3\frac{3}{80}$

9) $5\frac{2}{7} \div 2\frac{2}{9} = 2\frac{53}{140}$

10) $2\frac{2}{5} \div 3\frac{3}{5} = \frac{2}{3}$

11) $4\frac{3}{7} \div 1\frac{7}{8} = 2\frac{88}{105}$

12) $2\frac{5}{7} \div 2\frac{4}{5} = \frac{95}{98}$

13) $8\frac{3}{5} \div 6\frac{1}{5} = 1\frac{12}{31}$

14) $2\frac{5}{8} \div 1\frac{8}{9} = 1\frac{53}{136}$

15) $5\frac{6}{7} \div 2\frac{3}{4} = 2\frac{10}{77}$

16) $1\frac{3}{5} \div 2\frac{3}{8} = \frac{64}{95}$

17) $5\frac{3}{4} \div 3\frac{2}{5} = 1\frac{47}{68}$

18) $2\frac{3}{4} \div 3\frac{1}{5} = \frac{55}{64}$

19) $3\frac{2}{3} \div 1\frac{2}{5} = 2\frac{13}{21}$

20) $4\frac{1}{4} \div 2\frac{2}{3} = 1\frac{19}{32}$

21) $3\frac{5}{6} \div 2\frac{4}{5} = 1\frac{31}{84}$

22) $2\frac{1}{8} \div 1\frac{3}{4} = 1\frac{3}{14}$

23) $5\frac{1}{2} \div 2\frac{2}{5} = 2\frac{7}{24}$

24) $3\frac{4}{7} \div 2\frac{2}{3} = 1\frac{19}{56}$

25) $2\frac{4}{5} \div 3\frac{5}{6} = \frac{84}{115}$

26) $2\frac{3}{7} \div 3\frac{2}{3} = \frac{51}{77}$

Name: ……	Date: ……

Homework: #.....

Comparing Decimals

***Compare. Use* $>$, $=$, *and* $<$**

1) $0.88 \square 0.088$

2) $0.56 \square 0.57$

3) $0.99 \square 0.89$

4) $1.55 \square 1.65$

5) $1.58 \square 1.75$

6) $2.91 \square 2.85$

7) $14.56 \square 1.456$

8) $17.85 \square 17.89$

9) $21.52 \square 21.052$

10) $11.12 \square 11.03$

11) $9.650 \square 9.65$

12) $8.578 \square 8.568$

13) $3.15 \square 0.315$

14) $16.61 \square 16.16$

15) $18.581 \square 8.991$

16) $25.05 \square 2.505$

17) $4.55 \square 4.65$

18) $0.158 \square 1.58$

19) $0.881 \square 0.871$

20) $0.505 \square 0.510$

21) $0.772 \square 0.777$

22) $0.5 \square 0.500$

23) $16.89 \square 15.89$

24) $12.25 \square 12.35$

25) $5.82 \square 5.69$

26) $1.320 \square 1.032$

27) $0.082 \square 0.088$

28) $0.99 \square 0.099$

29) $2.560 \square 1.950$

30) $0.770 \square 0.707$

31) $15.54 \square 1.554$

32) $0.323 \square 0.332$

Name: ……. Date: ……

Homework: #…..

Comparing Decimals - Answers

Compare. Use >, =, and <

1) 0.88 > 0.088
2) 0.56 < 0.57
3) 0.99 > 0.89
4) 1.55 < 1.65
5) 1.58 < 1.75
6) 2.91 > 2.85
7) 14.56 > 1.456
8) 17.85 < 17.89
9) 21.52 > 21.052
10) 11.12 > 11.03
11) 9.650 = 9.65
12) 8.578 > 8.568
13) 3.15 > 0.315
14) 16.61 > 16.16
15) 18.581 > 8.991
16) 25.05 > 2.505
17) 4.55 < 4.65
18) 0.158 < 1.58
19) 0.881 > 0.871
20) 0.505 < 0.510
21) 0.772 < 0.777
22) 0.5 = 0.500
23) 16.89 > 15.89
24) 12.25 < 12.35
25) 5.82 > 5.69
26) 1.320 > 1.032
27) 0.082 < 0.088
28) 0.99 > 0.099
29) 2.560 > 1.950
30) 0.770 > 0.707
31) 15.54 > 1.554
32) 0.323 < 0.332