MCMS

Algebra Skills Assessment Test Practice Workbook

Answers are provided

(Delete as desired)

Skill Assessment Test Practice Work

KEY #____

1. Place Value
2. Comparing Fractions/Decimals (>, <, =)
3. Rounding
4. Prime/Composite #s; Factors and Multiples
5. Ordering Decimals/Fractions (least to greatest)
6. Improper Fractions/Mixed Numbers
7. Converting Fractions, Decimals, and Percent
8. Order of Operations
9. Decimals (+, −, ×, ÷)
10. Fractions (+, −, ×, ÷)
11. Percent (Write equation and solve)
12. Integers (+, −, ×, ÷); ordering integers
13. Combining Like Terms
14. Equations
15. Exponents
16. Graphing
17. Probability
18. Geometry (perimeter, area, surface area, volume, degrees

Name SKILL #1

Write each number as a decimal.

1. $\frac{3}{10}$ 0.3
2. $\frac{47}{100}$ 0.47
3. $\frac{935}{10,000}$ 0.0935

4. Thirty-five hundredths 0.35
5. Two hundred sixty-eight and nine tenths 268.9
6. Four and six hundred thousandths 4.600
7. Two thousand forty and seventy-two hundredths 2,040.72
8. Fifty and three hundred forty-two thousandths 50.342

Write what the 3 means in each number.

9. 54.347 3 Tenths
10. 436.11 3 Tens
11. 84.136 3 Hundredths
12. 7.043 3 Thousandths

Write each decimal in words.

13. 72.7 Seventy-two and seven tenths
14. 32.9 Thirty-two and nine tenths
15. 56.936 Fifty-six and nine hundred thirty-six thousandths
16. 67.8379 Sixty-seven and eight thousand three hundred seventy-nine ten-thousandths
17. 407.06 Four hundred seven and six hundredths
18. 48.5 Forty-eight and five tenths

Pg #1

Name Skill #1

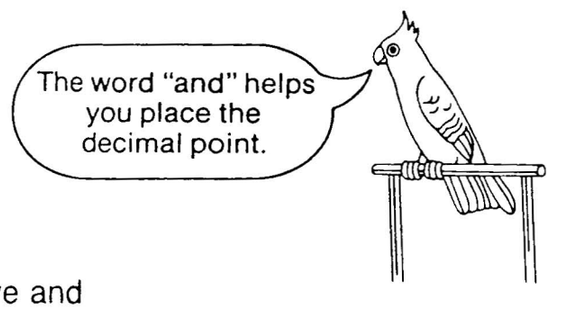
R28

What does the 9 mean in 35.6092?

millions	hundred-thousands	ten-thousands	thousands	hundreds	tens	ones	tenths	hundredths	thousandths	ten-thousandths	hundred-thousandths	millionths
					3	5	6	0	9	2		

9 is in the thousandths place.

The 9 means 9 thousandths.



The decimal 35.6092 is read, thirty-five and six thousand ninety-two ten-thousandths.

Tell what the 6 means in each number.

1. 3.56 6 hundredths
2. 14.63 6 tenths
3. 27.046 6 thousandths
4. 6.418 6 ones
5. 75.23164 6 ten-thousandths
6. 0.00186 6 hundred-thousandths

Write each number as a decimal.

7. Sixty-two thousandths 0.062
8. Seven tenths 0.7
9. Two and four tenths 2.4
10. Three thousandths 0.003
11. Six and twelve hundredths 6.12
12. Eighty-three hundredths 0.83
13. Five and thirty-four thousandths 5.034
14. Seven and four ten-thousandths 7.0004
15. Ninety-nine and ninety-nine thousandths 99.099

pg. #2

Maintenance

Use <, >, or = to compare the numbers.

1. 0.28 (<) 0.43
2. 0.5 (<) 0.7
3. 0.49 (<) 0.71
4. 0.85 (<) 0.9
5. 0.1 (=) 0.10
6. 0.89 (<) 0.90
7. 0.2 (>) 0.124
8. 1.40 (<) 2.0
9. 2.4 (>) 2.39
10. 0.53 (=) 0.5300
11. 0.732 (<) 0.81
12. 0.12 (>) 0.085
13. 0.962 (<) 1.0
14. 0.543 (>) 0.542
15. 0.777 (<) 0.8
16. 0.40 (=) 0.4
17. 0.075 (<) 0.1

Write the numbers in order from least to greatest.

18. 0.5 0.62 0.457
0.457 0.5 0.62

19. 0.4 0.222 0.39
0.222 0.39 0.4

20. 0.542 0.499 0.5419
0.499 0.5419 0.542

21. 1.2 0.99 0.887
0.887 0.99 1.2

22. 0.8 0.276 0.35 0.801 0.2755 0.1
0.1 0.2755 0.276 0.35 0.8 0.801

Pg. #3

Name Skills #2 and #3

Write an equal decimal in hundredths.

1. 6.3 6.30
2. 38 38.00
3. 72.9 72.90
4. 8.600 8.60
5. 15 15.00
6. 9.980 9.98

Write an equal decimal in thousandths.

7. 4.62 4.620
8. 2.48 2.480
9. 6.8310 6.831
10. 2.63 2.630
11. 0.27 0.270
12. 35 35,000

Use <, >, or = to compare the numbers.

13. 0.35 (>) 0.22
14. 3.0411 (>) 1.040
15. 8.48 (>) 5.493
16. 0.5462 (<) 0.54621
17. 69.480 (=) 69.48
18. 11.483 (<) 11.485
19. 14.602 (<) 14.620
20. 7.638 (?) 7.6371

Write the numbers in order from least to greatest.

21. 9.13 9.31 9.00 9.312 — 9.00, 9.13, 9.31, 9.312
22. 3.623 3.832 3.660 — 3.623, 3.660, 3.832
23. 6.24 7.12 6.42 5.90 — 5.90, 6.24, 6.42, 7.12
24. 5.613 5.512 5.891 — 5.512, 5.613, 5.891
25. 8.313 8.333 8.036 8.3 — 8.036, 8.3, 8.313, 8.333
26. 0.7 0.8 0.77 0.08 — 0.08, 0.7, 0.77, 0.8
27. 4.86 4.759 14.96 — 4.759, 4.86, 14.96

Pg #4

Maintenance

Compare these fractions. Use <, >, or =.

1. $\frac{2}{3}$ (>) $\frac{1}{3}$
2. $\frac{5}{7}$ (<) $\frac{6}{7}$
3. $\frac{8}{9}$ (>) $\frac{1}{9}$
4. $\frac{3}{4}$ (>) $\frac{2}{3}$
5. $\frac{8}{12}$ (=) $\frac{2}{3}$
6. $\frac{2}{5}$ (<) $\frac{3}{7}$
7. $\frac{4}{5}$ (=) $\frac{8}{10}$
8. $\frac{9}{11}$ (>) $\frac{7}{10}$
9. $\frac{5}{16}$ (<) $\frac{1}{3}$
10. $\frac{6}{25}$ (>) $\frac{1}{5}$
11. $\frac{3}{30}$ (=) $\frac{1}{10}$
12. $\frac{4}{17}$ (<) $\frac{2}{5}$
13. $\frac{7}{50}$ (<) $\frac{2}{9}$
14. $\frac{7}{8}$ (>) $\frac{9}{11}$
15. $\frac{8}{11}$ (<) $\frac{7}{9}$

List the fractions in order from least to greatest.

16. $\frac{1}{5}, \frac{1}{3}, \frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{3}$
17. $\frac{2}{3}, \frac{5}{6}, \frac{3}{4}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$
18. $\frac{4}{5}, \frac{1}{2}, \frac{8}{9}$ $\frac{1}{2}$ $\frac{4}{5}$ $\frac{8}{9}$
19. $\frac{4}{7}, \frac{1}{2}, \frac{8}{11}$ $\frac{1}{2}$ $\frac{4}{7}$ $\frac{8}{11}$

Pg. #5

Use after pages 140–141.

Comparing Real Numbers

4.66 _____ 4.78	$4\frac{1}{2}$ _____ 4.78
4.66 < 4.78	4.50 < 4.78

Use <, >, or = to make each a true sentence.

1. 2.5 = $2\frac{1}{2}$
2. 1.078 < 1.78
3. 13.26 < 132.6
4. 983.21 < 7551.7
5. 232.33 > 23.233
6. -.3 < $\overline{-.3}$
7. $-9\frac{36}{48}$ > -9.77
8. $12\frac{5}{8}$ > 12.6
9. 1.5 < $1\frac{2}{3}$
10. 3.2 = $3\frac{1}{5}$

Write in ascending order.

$2\frac{1}{2}$, $2\frac{3}{5}$, 2.4	2.4, 2.5, 2.6	2.4, $2\frac{1}{2}$, $2\frac{3}{5}$

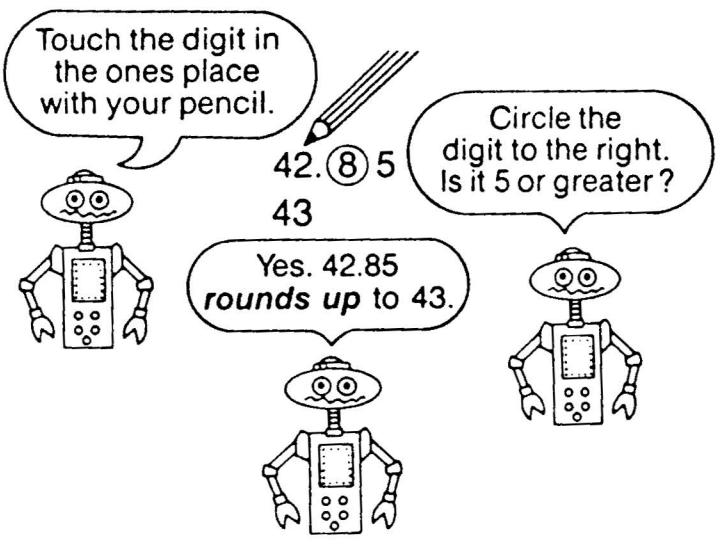
Rewrite the fractions as decimals.

10.781, 10.78, 10.710

1. 2.51, 2.511, 2.5111
2. $-3\frac{1}{5}$, $-3\frac{2}{3}$, $-3\frac{5}{7}$
3. $-2\frac{1}{4}$, $2\frac{7}{8}$, $2\frac{3}{9}$
4. $4\frac{2}{3}$, $-4\frac{6}{9}$, 4..34
5. $-6\frac{1}{5}$, -6.66, $-6\frac{4}{5}$
6. 10.78, 10.781, 10.710
7. $5\frac{1}{2}$, $5\frac{1}{3}$, $5\frac{3}{4}$ $5\frac{3}{4}$, $5\frac{1}{2}$, $5\frac{1}{3}$
8. $-1\frac{4}{5}$, $-1\frac{9}{10}$, $-1\frac{7}{8}$ $-1\frac{14}{15}$ $-1\frac{7}{8}$, $-1\frac{9}{10}$
9. $7\frac{2}{3}$, 7.45 , $7\frac{3}{5}$ $7\frac{2}{3}$, $7\frac{3}{5}$, 7.45
10. 3.15 , 3.8 , $3\frac{2}{5}$ 3.8, $3\frac{2}{5}$, 3.15

Pg# 6

A. Round 42.85 to the nearest one.



B. Round 3.674 to the nearest hundredth.

3.674	Touch the digit in the hundredths place.
3.67④	Circle the digit to the right. Is it 5 or greater?
3.67	No. 3.674 ***rounds down*** to 3.67.

Round to the nearest one.

1. 1.7 2
2. 2.3 2
3. 0.872 1

Round to the nearest tenth.

4. 43.62 43.6
5. 7.48 7.5
6. 6.75 6.8
7. 0.077 0.1
8. 2.815 2.8
9. 0.8021 0.8

Round to the nearest hundredth.

10. 8.251 8.25
11. 3.542 3.54
12. 0.0078 0.01
13. 2.845 2.85
14. 5.4564 5.46
15. 0.099 0.10

Round to the nearest thousandth.

16. 5.2816 5.282
17. 2.1855 2.186
18. 0.0034 0.003

pg. #7

Name Skill #3

P2

Round to the nearest hundred.

1. 307 300
2. 422 400
3. 2,650 2,700
4. 8,849 8,800
5. 2,659 2,700
6. 18,098 18,100

Round to the nearest ten-thousand.

7. 6,013 10,000
8. 29,605 30,000
9. 13,099 10,000
10. 261,278 260,000
11. 984,372 980,000

Round to the nearest million.

12. 14,683,019 15,000,000
13. 83,426,999 83,000,000
14. 1,623,014 2,000,000
15. 8,438,996 8,000,000

Write each number in expanded form.

16. 113,807 100,000 + 10,000 + 3,000 + 800 + 7
17. 67,415 60,000 + 7,000 + 400 + 10 + 5
18. 2,564,291 2,000,000 + 500,000 + 60,000 + 4,000 + 200 + 90 + 1

Complete the table.

Number	Round to the nearest		
	Hundred-Thousand	Ten-Thousand	Thousand
4,328,116	4,300,000	4,330,000	4,328,000
1,623,094	1,600,000	1,620,000	1,623,000

Name Skill #3 Additional Resource

20

Maintenance

Round to the nearest hundred.

1. 859 900
2. 4,839 4,800
3. 52,087 52,100
4. 26,439 26,400
5. 123,000 123,000
6. 495,398 495,400

Round to the nearest thousand.

7. 859 1,000
8. 4,339 4,000
9. 52,087 52,000
10. 26,439 26,000
11. 123,000 123,000
12. 495,398 495,000

Round to the nearest million.

13. 2,459,999 2,000,000
14. 53,800,000 54,000,000
15. 6,594,287 7,000,000
16. 1,499,999 1,000,000
17. 4,000,000 4,000,000
18. 9,695,000 10,000,000

Estimate by rounding the numbers to the same place.

19. 489 + 677 1,200
20. 8,888 + 6,953 16,000
21. 395 + 578 + 979 2,000
22. 8,869 − 2,985 6,000
23. 45,234 − 4,931 40,000
24. 52,147 − 1,953 50,000

Pg. #9

Name SKill #3

P30

Round to the nearest one.

1. 5.439 5 2. 63.83 64 3. 8.435 8

Round to the nearest tenth.

4. 0.234 .2 5. 6.057 6.1 6. 73.943 73.9

Round to the nearest hundredth.

7. 2.256 2.26 8. 0.992 .99 9. 1.008 1.01

Round to the nearest thousandth.

10. 9.0085 9.009 11. 0.69312 .693 12. 8.3847 8.385

Round so that only one digit is not zero.

13. 2.007 2 14. 0.065 .07 15. 35.06 40

Who will win the race? Round the numbers in Exercises 16 to 21 to the nearest thousandth. Shade each answer on the track. The winner will be the first to have all answers shaded.

16. 2.6048 2.605 17. 38.0021 38.002 18. 17.3333 17.333

19. 0.6666 .667 20. 8.6946 8.695 21. 2.6056 2.606

Sinking Sub	2.605	2.999	17.344 Finish
Slippery Slime	17.333	0.667	0.666 Finish
Sizzle Shoes	38.002	8.695	2.606 Finish

Name Skill #3 *Decimals*

Rounding Decimals

Round 10.943 to the nearest tenth.
10.9(4)3 / 4 < 5 therefore 10.943=10.9

Round 32.78 to the nearest whole number
32.78 / 32.(7)8 / 7 ≥ 5 therefore 32.78=33

Round to the nearest whole number.

1. 42.675 = 43
2. 29.78 = 30
3. 34.87 = 35
4. 21.098 = 21
5. 15.91 = 16
6. 78.412 = 78
7. 7.8346 = 8
8. 54.927 = 55
9. 2.72 = 3
10. 54.909 = 55
11. 1.19 = 1
12. 4.98 = 5

Round to the nearest tenth.

1. 33.897 = 33.9
2. 121.343 = 121.3
3. 32.777 = 32.8
4. 5.345 = 5.3
5. 1.908 = 1.9
6. 341.08 = 341.1
7. 1.23 = 1.2
8. 1.6578 = 1.7
9. 3.869 = 3.9
10. 41.564 = 41.6
11. 654.34 = 654.3
12. 111.111 = 111.1

Round to the nearest hundredth.

1. 212.658 212.66
2. 21.569 21.57
3. 2.6354 2.64
4. 241.560 241.56
5. 7.34587 7.35
6. 218.453 218.45
7. 12.1212 12.12
8. 430.234 430.23
9. 12.7689 12.77
10. 129.404 129.40
11. 6.435 6.44
12. 9.9999 10.00

Name SKill #4

Circle the prime numbers.

(3) 8 16 (19) 22

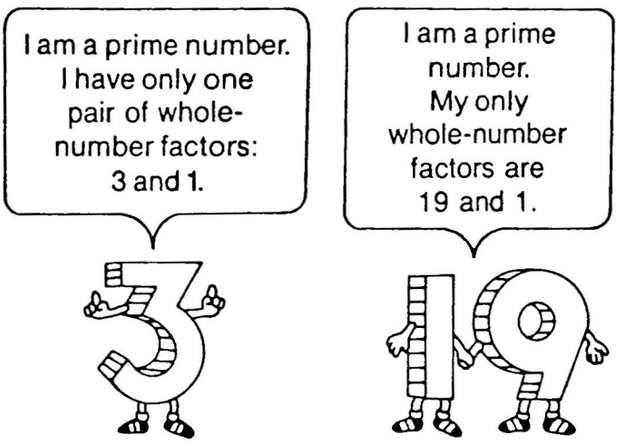
$3 \rightarrow 3 \times 1$

$8 \rightarrow 8 \times 1$ and 4×2

$16 \rightarrow 16 \times 1$, 8×2, and 4×4

$19 \rightarrow 19 \times 1$

$22 \rightarrow 22 \times 1$ and 11×2



REMEMBER: All other numbers (that are not prime) are composite, EXCEPT 0 and 1 which are neither.

Circle the prime numbers in each row.
All answers are in the box.

1. 1 4 (7) 10 (13) 16 (19)
2. (2) (5) 8 (11) 14 (17) 20
3. 4 (11) 18 25 32 39 46
4. (3) 14 25 36 (47) 58 69
5. 1 8 15 22 (29) 36 (43)
6. (11) 21 (31) (41) 51 (61) (71)
7. (3) (7) (11) 15 (19) (23) 27
8. (5) (7) 9 (11) (13) 15 (17)

41 23 37 43 61 7 5 19 2 13 47 71 31 11 29 17 3

Pg #10

Name SKILL #7

List the common factors of each pair of numbers.

1. 8 and 24 — 1, 2, 4, 8
2. 10 and 16 — 1, 2
3. 5 and 15 — 1, 5
4. 2 and 7 — 1
5. 15 and 24 — 1, 3
6. 17 and 34 — 1, 17
7. 36 and 42 — 1, 2, 3, 6
8. 12 and 28 — 1, 2, 4
9. 25 and 50 — 1, 5, 25
10. 99 and 9 — 1, 3, 9

Find the GCF of each pair of numbers.

11. 10 and 15 — 5
12. 14 and 28 — 14
13. 15 and 18 — 3
14. 81 and 27 — 27
15. 63 and 42 — 21
16. 28 and 70 — 14
17. 28 and 42 — 14
18. 42 and 44 — 2
19. 21 and 24 — 3
20. 56 and 16 — 8
21. 14 and 70 — 14
22. 56 and 168 — 56
23. 108 and 144 — 36
24. 15 and 60 — 15
25. 45 and 180 — 45
26. 153 and 270 — 9
27. 162 and 36 — 18
28. 36 and 54 — 18

Circle the GCF.

29. 18 and 24 — 2 3 (6)
30. 60 and 72 — 4 6 (12)
31. 28 and 42 — 4 7 (14)
32. 90 and 36 — 9 12 (18)
33. 20 and 40 — 10 (20) 40
34. 51 and 87 — (3) 6 9
35. 36 and 56 — (4) 9 12
36. 72 and 144 — 12 36 (72)

Pg #13

Name Unit #7

List the first four multiples of each number.

1. 4 — 4, 8, ~~16~~, 12, 16
2. 7 — 7, 14, 21, 28
3. 14 — 14, 28, 42, 56
4. 24 — 24, 48, 72, 96
5. 15 — 15, 30, 45, 60
6. 21 — 21, 42, 63, 84
7. 40 — 40, 80, 120, 160
8. 35 — 35, 70, 105, 140
9. 22 — 22, 44, 66, 88
10. 19 — 19, 38, 57, 76

For each pair of numbers, list the first three common multiples.

11. 5 and 10 — 10, 20, 30
12. 8 and 12 — 24, 48, 72
13. 4 and 5 — 20, 40, 60
14. 7 and 14 — 14, 28, 42
15. 10 and 11 — 110, 220, 330
16. 32 and 5 — 160, 320, 480
17. 27 and 10 — 270, 540, 810
18. 16 and 3 — 48, 96, 144

Use prime factorization to find the LCM of each pair of numbers.

19. 48 and 100 — 1,200
20. 52 and 40 — 520
21. 48 and 52 — 624
22. 25 and 15 — 75
23. 21 and 8 — 168
24. 33 and 55 — 165
25. 35 and 14 — 70
26. 19 and 24 — 456

Pg #14

Name Skill #4

R13

List the first six multiples for each number.

1. 2 2, 4, 6, 8, 10, 12
2. 3 3, 6, 9, 12, 15, 18
3. 4 4, 8, 12, 16, 20, 24
4. 5 5, 10, 15, 20, 25, 30
5. 6 6, 12, 18, 24, 30, 36
6. 7 7, 14, 21, 28, 35, 42
7. 8 8, 16, 24, 32, 40, 48
8. 9 9, 18, 27, 36, 45, 54
9. 10 10, 20, 30, 40, 50, 60
10. 11 11, 22, 33, 44, 55, 66
11. 12 12, 24, 36, 48, 60, 72
12. 15 15, 30, 45, 60, 75, 90

Use the lists above to find the common multiples for each pair of numbers below. Then give the least common multiple (LCM).

13. 2, 3 — 6, 12
LCM — 6

14. 2, 6 — 6, 12
LCM — 6

15. 4, 5 — 20
LCM — 20

16. 4, 12 — 12, 24
LCM — 12

17. 5, 10 — 10, 20, 30
LCM — 10

18. 8, 12 — 24, 48
LCM — 24

19. 6, 15 — 30
LCM — 30

20. 10, 15 — 30, 60
LCM — 30

Pg. #15

Maintenance

Circle the common factors of each pair of numbers.

1. 12 and 8 (1) (2) 3 (4) 8 12

2. 20 and 15 (1) 2 3 4 (5) 10 15 20

3. 18 and 9 (1) 2 (3) 6 (9) 18

4. 36 and 24 (1) (2) (3) (4) (6) 8 9 (12)

5. 9 and 16 (1) 2 3 4 9

6. 40 and 25 (1) 2 4 (5) 8 25

7. 75 and 100 (1) 2 3 4 (5) 15 (25) 75

8. 22 and 33 (1) 2 3 (11) 22

What is the greatest common factor of

9. 12 and 8? 4

10. 20 and 15? 5

11. 18 and 9? 9

12. 36 and 24? 12

13. 9 and 16? 1

14. 40 and 25? 5

15. 75 and 100? 25

16. 22 and 33? 11

Pg. #16

Use after pages 56–57.

Name SKILL #4

P10

When is a piece of wood like a king?

1. To find out, cross out each box that contains a prime number. The remaining letters will spell the answer.

4 W	~~5~~ D	20 H	10 E	18 N	~~2~~ B	16 I	12 T	~~19~~ R	20 I	14 S
~~17~~ R	1 A	~~13~~ L	6 R	9 U	0 L	~~37~~ A	8 E	18 R	~~3~~ E	~~7~~ E

If the number below is a prime number, write *prime*. If it is composite, write it as the product of two whole numbers that are less than itself.

Answers will vary for exercises 5, 7, and 9

2. 21 3×7
3. 59 Prime
4. 91 13×7
5. 72 9×8
6. 107 Prime
7. 54 6×9
8. 121 11×11
9. 630 63×10
10. 103 Prime

List all the factors of each number.

11. 15 1, 3, 5, 15
12. 63 1, 3, 7, 9, 21, 63
13. 17 1, 17
14. 45 1, 3, 5, 9, 15, 45

15. In the Number Find on the right, find six prime numbers that are greater than 10 but less than 100.

Number Find
(horizontal and vertical)

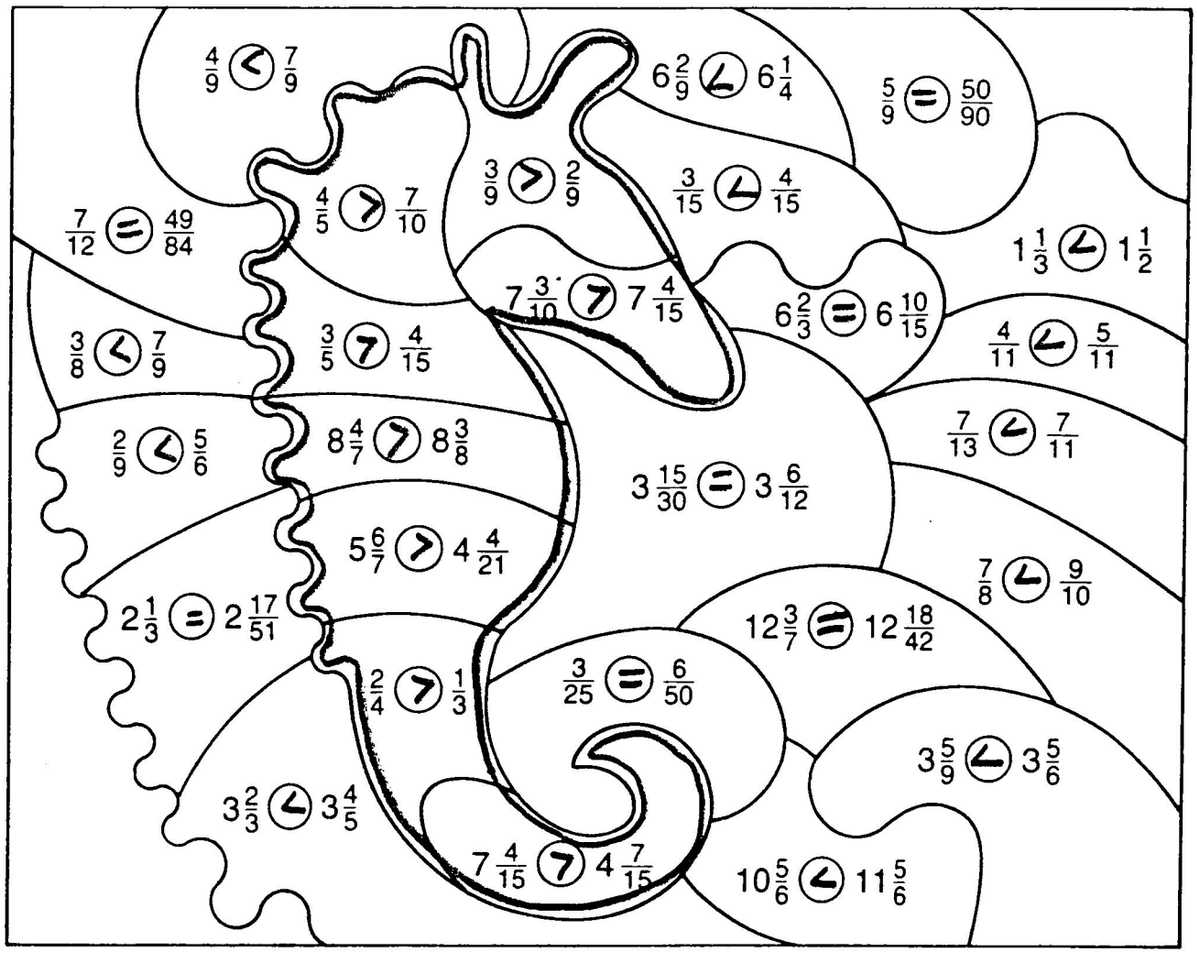
3	2	9	9	0	6	1
3	3	4	5	3	4	5
7	4	5	5	4	6	9

Pg #17

Name Skill #5

P42

Compare. Use >, <, or =. Shade each section that has a > answer. You will see a type of animal that was hatched by its father.



List in order from the least to the greatest.

1. $\frac{1}{6}$ $\frac{2}{8}$ $\frac{1}{12}$ — $\frac{1}{12}$ $\frac{1}{6}$ $\frac{2}{8}$

2. $\frac{5}{8}$ $\frac{2}{3}$ $\frac{3}{4}$ — $\frac{5}{8}$ $\frac{2}{3}$ $\frac{3}{4}$

3. $\frac{1}{2}$ $\frac{3}{4}$ $\frac{2}{5}$ — $\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{4}$

4. $\frac{7}{12}$ $\frac{3}{5}$ $\frac{8}{15}$ — $\frac{8}{15}$ $\frac{7}{12}$ $\frac{3}{5}$

5. $3\frac{2}{3}$ $3\frac{4}{7}$ $3\frac{17}{21}$ — $3\frac{4}{7}$ $3\frac{2}{3}$ $3\frac{17}{21}$

6. $9\frac{1}{5}$ $9\frac{2}{9}$ $9\frac{4}{15}$ — $9\frac{1}{5}$ $9\frac{2}{9}$ $9\frac{4}{15}$

7. $8\frac{1}{3}$ $8\frac{2}{9}$ $8\frac{5}{12}$ — $8\frac{2}{9}$ $8\frac{1}{3}$ $8\frac{5}{12}$

8. $5\frac{3}{8}$ $4\frac{7}{9}$ $5\frac{2}{3}$ — $4\frac{7}{9}$ $5\frac{3}{8}$ $5\frac{2}{3}$

Name _____

Write an equal decimal in hundredths.

1. 6.3 6.30
2. 38 38.00
3. 72.9 72.90
4. 8.600 8.60
5. 15 15.00
6. 9.980 9.98

Write an equal decimal in thousandths.

7. 4.62 4.620
8. 2.48 2.480
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20. 7.638 (>) 7.6371

Write the numbers in order from least to greatest.

21. 9.13 9.31 9.00 9.312 — 9.00 9.13 9.31 9.312
22. 3.623 3.832 3.660 — 3.623 3.660 3.832
23. 6.24 7.12 6.42 5.90 — 5.90 6.24 6.42 7.12
24. 5.613 5.512 5.891 — 5.512 5.613 5.891
25. 8.313 8.333 8.036 8.3 — 8.036 8.3 8.313 8.333
26. 0.7 0.8 0.77 0.08 — 0.08 0.7 0.77 0.8
27. 4.86 4.759 14.96 — 4.759 4.86 14.96

Pg #19

Name Skill #6

P44

Write each number as an improper fraction.

1. $7\frac{4}{5} = \frac{39}{5}$ 2. $3\frac{7}{9} = \frac{34}{9}$ 3. $6\frac{3}{8} = \frac{51}{8}$

4. $9\frac{7}{9} = \frac{88}{9}$ 5. $1\frac{4}{7} = \frac{11}{7}$ 6. $5\frac{1}{5} = \frac{26}{5}$

7. $5\frac{7}{8} = \frac{47}{8}$ 8. $4\frac{1}{3} = \frac{13}{3}$ 9. $8\frac{3}{5} = \frac{43}{5}$

Write each improper fraction as a whole number or a mixed number.

10. $\frac{17}{4} = 4\frac{1}{4}$ 11. $\frac{35}{8} = 4\frac{3}{8}$ 12. $\frac{96}{6} = 16$

13. $\frac{43}{1} = 43$ 14. $\frac{61}{12} = 5\frac{1}{12}$ 15. $\frac{240}{10} = 24$

16. $\frac{19}{3} = 6\frac{1}{3}$ 17. $\frac{47}{7} = 6\frac{5}{7}$ 18. $\frac{71}{8} = 8\frac{7}{8}$

Compare these numbers. Use <, >, or =.

19. $8\frac{1}{2}$ (<) $8\frac{5}{8}$ 20. $\frac{11}{12}$ (>) $\frac{6}{7}$ 21. $1\frac{1}{3}$ (>) $\frac{8}{9}$

22. $3\frac{7}{24}$ (>) $2\frac{23}{24}$ 23. $2\frac{9}{13}$ (=) $2\frac{18}{26}$ 24. $6\frac{5}{6}$ (>) $6\frac{3}{4}$

List the numbers in order from least to greatest.

25. $3\frac{1}{2}$ $3\frac{9}{13}$ $3\frac{7}{26}$ $3\frac{7}{26}$ $3\frac{1}{2}$ $3\frac{9}{13}$

26. $7\frac{5}{6}$ $7\frac{2}{3}$ $7\frac{11}{12}$ $7\frac{2}{3}$ $7\frac{5}{6}$ $7\frac{11}{12}$

Pg #20

Name Skill #6 Additional Resource

62

Maintenance

Write each improper fraction as a whole or mixed number. Reduce to lowest terms.

1. $\frac{6}{4}$ $1\frac{1}{2}$
2. $\frac{81}{9}$ 9
3. $\frac{18}{17}$ $1\frac{1}{17}$
4. $\frac{58}{14}$ $4\frac{1}{7}$
5. $\frac{36}{9}$ 4
6. $\frac{83}{7}$ $11\frac{6}{7}$
7. $\frac{37}{5}$ $7\frac{2}{5}$
8. $\frac{79}{8}$ $9\frac{7}{8}$
9. $\frac{51}{7}$ $7\frac{2}{7}$
10. $\frac{15}{3}$ 5
11. $\frac{29}{8}$ $3\frac{5}{8}$
12. $\frac{122}{68}$ $1\frac{27}{34}$

Write each mixed number as an improper fraction.

13. $7\frac{1}{12}$ $\frac{85}{12}$
14. $9\frac{1}{5}$ $\frac{46}{5}$
15. $5\frac{7}{8}$ $\frac{47}{8}$
16. $9\frac{3}{10}$ $\frac{93}{10}$
17. $3\frac{1}{2}$ $\frac{7}{2}$
18. $5\frac{2}{5}$ $\frac{27}{5}$
19. $15\frac{2}{5}$ $\frac{77}{5}$
20. $4\frac{2}{9}$ $\frac{38}{9}$

Solve each problem.

21. Marty stacked 45 tiles on his workbench. Each tile was $\frac{1}{4}$ inch thick. How high was the stack of tiles?

$11\frac{1}{4}$ inches

22. Jan used $2\frac{4}{5}$ bags of paste to wallpaper a room. The room had 4 walls. What was the average amount of paste she used per wall?

$\frac{7}{10}$ bag

Pg. #21

Use after pages 150–151.