

Decimals Skills Checkup

Circle the letter for the correct solution to each problem. Try crossing out unreasonable answers before you start to work on each problem.

1. $9.15 + 0.058 =$
A 9.73 C 9.108
B 9.208 D 0.973
E None of these
2. $0.103 - 0.07 =$
F 0.133 H 0.033
G 0.005 J 0.05
K None of these
3. $15.42 \times 0.003 =$
A 46.26 C 4.626
B 0.4626 D 0.04626
E None of these
4. $2.1 \overline{)462}$
F 220 H 2.2
G 0.022 J 22
K None of these
5. $2.79 \div 31 =$
A 9 C 0.9
B 0.09 D 90
E None of these
6. $95 - 0.015 =$
F 80 H 95.085
G 94.085 J 94.095
K None of these

Use the following information to do Numbers 7–10.

At the end of the eighth grade, Lin was 3.6 feet tall. Over the next 2 years he grew 1.2 feet.

7. How tall was Lin at the end of the tenth grade?
A 4.4 feet
B 4.8 feet
C 2.4 feet
D 4.32 feet
8. On average, how much did Lin grow per month during the 2-year period?
F 1 foot
G 0.05 feet
H 0.5 feet
J 1.2 feet
9. One meter is about 3.3 feet. To find Lin's height in meters at the end of the eighth grade, which should you do?
A Add 3.6 and 3.3.
B Multiply 3.6 by 3.3.
C Subtract 3.3 from 3.6.
D Divide 3.6 by 3.3.
10. In eighth grade, the tallest boy in Lin's class was 6.2 feet tall. What was the difference between his height and Lin's height?
F 2.6 feet
G 3.6 feet
H 3.4 feet
J 5.0 feet

Decimals Skills Checkup (continued)

11.
$$\begin{array}{r} 9.82 \\ + 0.3 \\ \hline \end{array}$$

- A 9.83
- B 10.12
- C 11.12
- D 12.82
- E None of these

12. $\$4.35 \times 11 =$

- F \$47.85
- G \$ 8.70
- H \$87.00
- J \$478.50
- K None of these

13. $2.04 - 0.009 =$

- A 2.031
- B 2.31
- C 2.0391
- D 2.0301
- E None of these

14.
$$\begin{array}{r} \$15.80 \\ - 9.65 \\ \hline \end{array}$$

- F \$7.15
- G \$5.15
- H \$6.25
- J \$6.15
- K None of these

15. $0.95 + 0.79 =$

- A 1.64
- B 1.74
- C 0.0174
- D 0.164
- E None of these

16. Which of these number sentences could be used to find one-tenth of 46?

- F $10 \times 46 =$
- G $46 \div 0.1 =$
- H $46 \times 0.01 =$
- J $46 \times 0.1 =$

17. What is 6.075 in words?

- A six hundred and seventy-five thousandths
- B six and seventy-five hundredths
- C six and seventy-five thousands
- D six and seventy-five thousandths

18. Which set of decimal numbers is in order from least to greatest?

- F 0.19 0.85 1.003 0.091
- G 0.091 0.19 0.85 1.003
- H 1.003 0.19 0.85 0.091
- J 0.19 1.003 0.85 0.091

19. A decimal number has 0 ones, and then uses each of the digits 9, 3, 0, and 1 exactly once. What is the least possible value for the decimal number?

- A 0.0931
- B 0.0139
- C 0.1390
- D 0.9301

20. What is 47.1093 rounded to the nearest hundredth?

- F 47.1
- G 47.2
- H 47.109
- J 47.11

18. 1.000
19. 4.38
20. 1.00
21. 0.99

Page 43

1. 32.01
2. 0.23
3. 1.523
4. 1.59
5. 0.105
6. 1.425
7. 7.40
8. 9.23
9. 23.209
10. 12.231

Page 44

1. 3
2. 0.762
3. 1.485
4. 0.43
5. 3.15
6. 15.575
7. \$31.12
8. 68 cents
9. 0.234
10. 8.2
11. \$15.58
12. 4.983

Page 45

1. 0.28
2. 0.21
3. 7.5
4. .603
5. 8.48
6. 0.1104
7. 1.2
8. 3.12
9. 0.2625
10. 76.26
11. 1.12
12. 14.4
13. 2.3
14. 1,352

15. 0.4
16. 14
17. 1.25
18. 90

Page 46

19. 0.08
20. 0.012
21. 0.038
22. 0.00125
23. 0.00186
24. 0.00048
25. 0.0035
26. 0.36
27. 0.2412
28. 0.006
29. 0.05
30. 0.027
31. 10
32. 0.006

Page 47

1. 2.04
2. 0.063
3. 16.1
4. \$2.04
5. 30.09
6. 0.105
7. 0.5
8. 1.023
9. 5.3
10. 0.304
11. 0.126
12. 0.27
13. 0.0081
14. \$7.14
15. 23

Page 48

1. 96
2. 6
3. 9
4. 49.6
5. 4.8
6. 24
7. 2.3

8. 26.3
9. 770
10. 714
11. 5.5
12. 1.22

Page 49

13. 400
14. 325
15. 60
16. 12,000
17. 6,300
18. 2,700
19. 320
20. 2,870
21. 120
22. 300

Page 50

1. D; \$6.64
2. H; 114.4
3. B; 1.6 lbs
4. F; \$15.42
5. 558.2 mi
6. 3.9 mi
7. \$5.84
8. 2 cents
9. 24 min
10. \$42.70

Decimals Skills Checkup

Pages 51–52

1. B
2. H
3. D
4. F
5. B
6. K
7. B
8. G
9. D
10. F
11. B
12. F
13. A

14. J
15. B
16. J
17. D
18. G
19. B
20. J

Fractions

Page 53

1. $\frac{17}{100}$
2. $2\frac{1}{2}$
3. $\frac{23}{59}$
4. $\frac{5}{12}$
5. $\frac{8}{12}$ or $\frac{2}{3}$
6. $\frac{18}{16}$ or $1\frac{1}{8}$

Page 54

1. >
2. <
3. >
4. <
5. <
6. $\frac{1}{9}, \frac{1}{7}, \frac{1}{5}$
7. $\frac{2}{9}, \frac{2}{5}, \frac{2}{3}$
8. $\frac{4}{9}, \frac{4}{8}, \frac{4}{7}$
9. $\frac{1}{7}, \frac{3}{7}, \frac{5}{7}$
10. $\frac{2}{5}, \frac{3}{5}, \frac{4}{5}$
11. $\frac{2}{9}, \frac{4}{9}, \frac{7}{9}$

Page 55

1. 4
2. 4; 20
3. $\frac{6}{6}$

4. 5; $\frac{5}{15}$
5. 2
6. 4; 5
7. $\frac{3}{3}$
8. $\frac{6}{6}$; 1
9. $\frac{7}{7}$; 2
10. $\frac{3}{3}$; 4

Page 56

1. W
2. M
3. M
4. M
5. W
6. M
7. W
8. W
9. M
10. W

11. $1\frac{1}{3}$
12. 2
13. $1\frac{1}{4}$
14. 5
15. $2\frac{3}{8}$
16. $1\frac{1}{2}$
17. $1\frac{2}{5}$
18. 2
19. $1\frac{4}{5}$
20. $3\frac{3}{5}$

Page 57

1. $\frac{4}{10} = \frac{2}{5}$
2. $\frac{45}{100} = \frac{9}{20}$
3. $\frac{8}{100} = \frac{2}{25}$

4. $\frac{125}{1,000} = \frac{1}{8}$
5. $\frac{60}{100} = \frac{3}{5}$
6. $3\frac{5}{10} = 3\frac{1}{2}$
7. $\frac{5}{100} = \frac{1}{20}$
8. $\frac{75}{100} = \frac{3}{4}$
9. 0.2
10. 0.375
11. 0.03
12. 0.32
13. 0.9
14. 0.35
15. 0.75

Page 58

1. C, D
2. F, G, J
3. A, D
4. G, H, J

Page 59

1. 1, 2, 3, 6, 9, 18
2. 1, 3, 5, 15
3. 1, 2, 4, 5, 10, 20
4. 1, 2, 3, 4, 6, 8, 12, 24
5. 1, 2, 4, 7, 14, 28
6. 1, 3, 9
7. 1, 2, 4, 8
8. 1, 7
9. 9; $\frac{1}{2}$
10. 5; $\frac{3}{4}$
11. 6; $\frac{3}{4}$
12. 4; $\frac{2}{7}$

Page 60

1. $\frac{7}{9}$
2. 1
3. $1\frac{1}{3}$