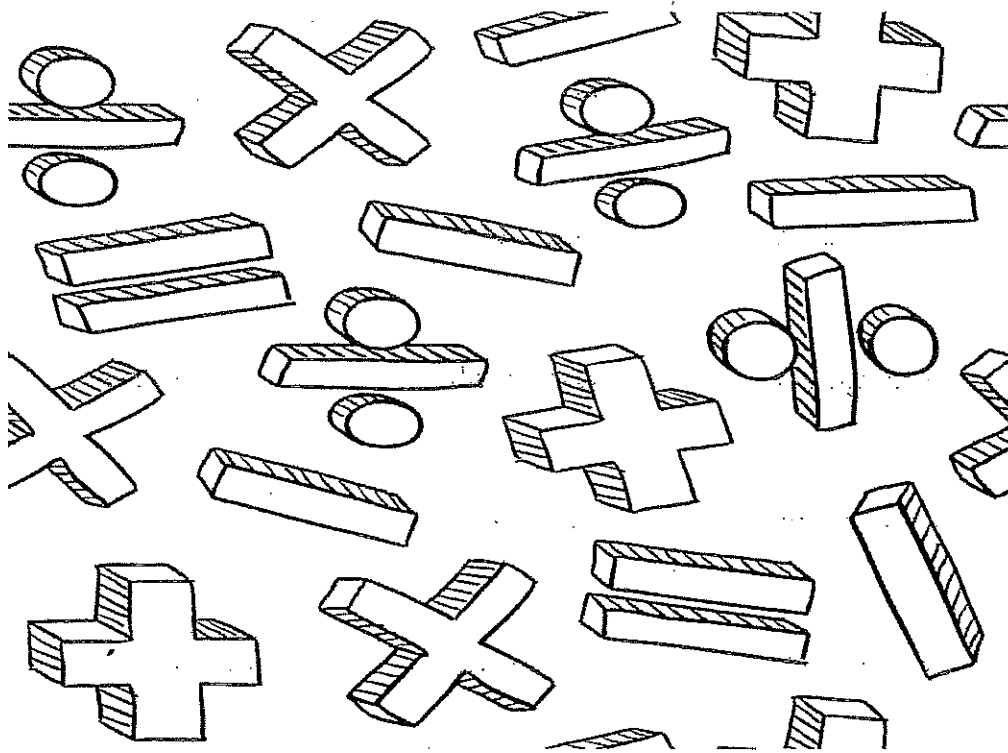
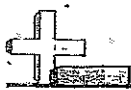


Dear new 5th grader,

This is your summer math packet. We want to make sure you don't forget the things you learned this year in 4th grade!



You will be required to hand this in completed to your new teacher in 5th grade when you return in September. Have a great summer!



Find the sum of the problems.

1) $\frac{8}{10} + \frac{17}{100} =$

2) $\frac{4}{10} + \frac{13}{100} =$

3) $\frac{78}{100} + \frac{1}{10} =$

4) $\frac{38}{100} + \frac{4}{10} =$

5) $\frac{1}{10} + \frac{4}{100} =$

6) $\frac{7}{10} + \frac{14}{100} =$

7) $\frac{12}{100} + \frac{2}{10} =$

8) $\frac{7}{10} + \frac{21}{100} =$

9) $\frac{3}{10} + \frac{38}{100} =$

10) $\frac{23}{100} + \frac{3}{10} =$

11) $\frac{4}{10} + \frac{27}{100} =$

12) $\frac{7}{10} + \frac{6}{100} =$

13) $\frac{6}{10} + \frac{27}{100} =$

14) $\frac{45}{100} + \frac{5}{10} =$

15) $\frac{4}{100} + \frac{3}{10} =$

16) $\frac{3}{10} + \frac{15}{100} =$

17) $\frac{27}{100} + \frac{5}{10} =$

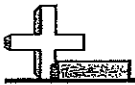
18) $\frac{6}{10} + \frac{38}{100} =$

19) $\frac{59}{100} + \frac{3}{10} =$

20) $\frac{82}{100} + \frac{1}{10} =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____



Solve each problem. Answer as a mixed fraction.

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

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

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

3) $5 \times \frac{4}{6} =$

4) $\frac{5}{12} \times 8 =$

5) $3 \times \frac{5}{6} =$

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

7) $\frac{6}{10} \times 3 =$

8) $\frac{4}{8} \times 6 =$

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

10) $6 \times \frac{1}{5} =$

11) $2 \times \frac{1}{4} =$

12) $\frac{2}{4} \times 9 =$

13) $5 \times \frac{1}{3} =$

14) $10 \times \frac{2}{3} =$

15) $6 \times \frac{2}{4} =$

16) $3 \times \frac{3}{8} =$

17) $6 \times \frac{5}{8} =$

18) $\frac{2}{4} \times 5 =$

19) $\frac{3}{4} \times 6 =$

20) $7 \times \frac{11}{12} =$

Answers

Ex. 5 1/3

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

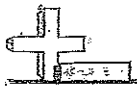
16. _____

17. _____

18. _____

19. _____

20. _____

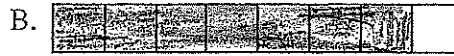


Match each equation to answer and write the answer.

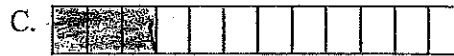
Ex) $\frac{1}{4} + \frac{1}{4}$



1) $\frac{1}{6} + \frac{1}{6}$



2) $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$



3) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$



4) $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$



5) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$



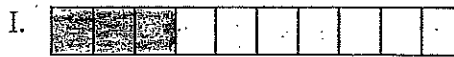
6) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$



7) $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$



8) $\frac{1}{5} + \frac{1}{5}$



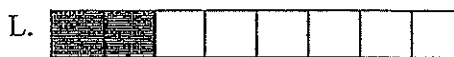
9) $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$



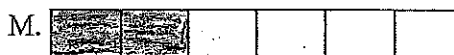
10) $\frac{1}{3} + \frac{1}{3}$



11) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$



12) $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$



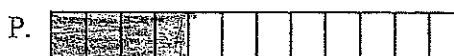
13) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10}$



14) $\frac{1}{8} + \frac{1}{8}$



15) $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$



Answers

Ex. D $\frac{1}{4}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



Convert the improper fraction to a mixed number fraction.

$$\frac{17}{5}$$

First divide the numerator by the denominator.

$$17 \div 5 = 3 \text{ r}2$$

$$3 \frac{2}{5}$$

The 3 is your whole number. While the remainder become the numerator.

$$3 \frac{2}{5}$$

Your denominator stays the same. And now you have your mixed number.

Answers

Ex. 8 $\frac{1}{2}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Ex) $\frac{17}{2} = 8 \frac{1}{2}$

1) $\frac{13}{2} =$

2) $\frac{79}{9} =$

3) $\frac{35}{4} =$

4) $\frac{37}{5} =$

5) $\frac{13}{7} =$

6) $\frac{5}{2} =$

7) $\frac{28}{3} =$

8) $\frac{25}{3} =$

9) $\frac{65}{7} =$

10) $\frac{32}{6} =$

11) $\frac{36}{5} =$

12) $\frac{64}{7} =$

13) $\frac{12}{7} =$

14) $\frac{42}{5} =$

15) $\frac{79}{8} =$

16) $\frac{66}{7} =$

17) $\frac{68}{8} =$

18) $\frac{3}{2} =$

19) $\frac{19}{3} =$

20) $\frac{38}{4} =$

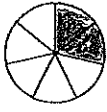


Comparing Fractions

Name: _____

Determine which fraction is larger using > or < .

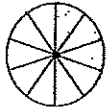
1) $\frac{2}{7}$



$\frac{2}{8}$



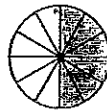
2) $\frac{3}{10}$



$\frac{3}{4}$



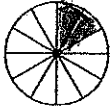
3) $\frac{6}{12}$



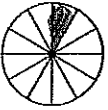
$\frac{5}{12}$



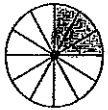
4) $\frac{2}{12}$



$\frac{1}{12}$



5) $\frac{3}{12}$



$\frac{2}{12}$



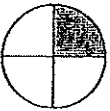
6) $\frac{1}{10}$



$\frac{1}{7}$



7) $\frac{1}{4}$



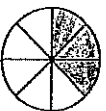
$\frac{1}{7}$



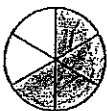
8) $\frac{3}{5}$



$\frac{3}{8}$



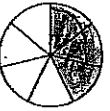
9) $\frac{4}{6}$



$\frac{5}{6}$



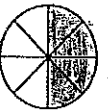
10) $\frac{3}{7}$



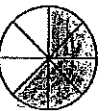
$\frac{2}{7}$



11) $\frac{4}{8}$



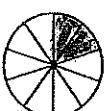
$\frac{5}{8}$



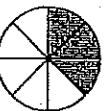
12) $\frac{2}{3}$



$\frac{2}{10}$



13) $\frac{3}{8}$



$\frac{3}{4}$



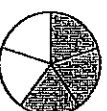
14) $\frac{1}{8}$



$\frac{1}{5}$



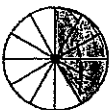
15) $\frac{3}{5}$



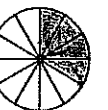
$\frac{2}{5}$



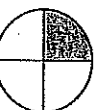
16) $\frac{5}{12}$



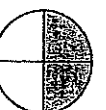
$\frac{4}{12}$



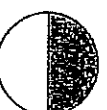
17) $\frac{1}{4}$



$\frac{2}{4}$



18) $\frac{1}{2}$



$\frac{1}{5}$



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____



Find the number that makes an equivalent fraction.

Ex) $\frac{8}{10} = \frac{40}{50}$

1) $\frac{2}{8} = \frac{\quad}{32}$

2) $\frac{4}{6} = \frac{\quad}{48}$

3) $\frac{3}{5} = \frac{\quad}{45}$

4) $\frac{1}{2} = \frac{\quad}{12}$

5) $\frac{1}{2} = \frac{\quad}{16}$

6) $\frac{3}{4} = \frac{18}{\quad}$

7) $\frac{5}{7} = \frac{\quad}{70}$

8) $\frac{1}{2} = \frac{3}{\quad}$

9) $\frac{1}{2} = \frac{9}{\quad}$

10) $\frac{1}{4} = \frac{10}{\quad}$

11) $\frac{3}{4} = \frac{30}{\quad}$

12) $\frac{2}{5} = \frac{4}{\quad}$

13) $\frac{2}{3} = \frac{\quad}{12}$

14) $\frac{5}{7} = \frac{\quad}{35}$

15) $\frac{9}{10} = \frac{72}{\quad}$

16) $\frac{2}{7} = \frac{20}{\quad}$

17) $\frac{1}{4} = \frac{2}{\quad}$

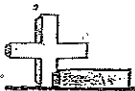
18) $\frac{4}{6} = \frac{\quad}{60}$

19) $\frac{8}{9} = \frac{80}{\quad}$

20) $\frac{5}{10} = \frac{\quad}{100}$

Answers

- Ex. 40
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____



Multiplication (Vertical)

Name: _____

Solve each problem.

$$\begin{array}{r} 1) \quad 88 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 38 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 52 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 42 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 86 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 46 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 85 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 14 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 80 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 44 \\ \times 83 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 57 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 10 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 48 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 10 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 38 \\ \times 49 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 98 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 57 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 13 \\ \times 40 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 93 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 77 \\ \times 97 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Solve each problem.

1) $9 \overline{) 6,045}$

2) $8 \overline{) 1,449}$

3) $3 \overline{) 5,887}$

4) $5 \overline{) 4,907}$

5) $7 \overline{) 5,911}$

6) $9 \overline{) 2,077}$

7) $5 \overline{) 4,614}$

8) $9 \overline{) 7,310}$

9) $4 \overline{) 3,574}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



Solve each of the problems.

Answers

1) $70 \times 40 =$ _____

1. _____

2) $80 \times 60 =$ _____

2. _____

3) $60 \times 70 =$ _____

3. _____

4) $1,800 \div 90 =$ _____

4. _____

5) $1,200 \div 30 =$ _____

5. _____

6) $3,200 \div 40 =$ _____

6. _____

7) $10 \times 50 =$ _____

7. _____

8) $2,100 \div 70 =$ _____

8. _____

9) $80 \times 30 =$ _____

9. _____

10) $30 \times 70 =$ _____

10. _____

11) $1,200 \div 40 =$ _____

11. _____

12) $20 \times 50 =$ _____

12. _____

13) $90 \times 30 =$ _____

13. _____

14) $5,600 \div 70 =$ _____

14. _____

15) $70 \times 30 =$ _____

15. _____

16) $20 \times 30 =$ _____

16. _____

17) $20 \times 60 =$ _____

17. _____

18) $2,000 \div 40 =$ _____

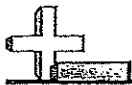
18. _____

19) $200 \div 10 =$ _____

19. _____

20) $80 \times 50 =$ _____

20. _____



Use 'Yes' or 'no' to answer each question.

Answers

- 1) Is 54 a multiple of 9? 1. _____
- 2) Is 9 a multiple of 3? 2. _____
- 3) Is 16 a multiple of 8? 3. _____
- 4) Is 66 a multiple of 5? 4. _____
- 5) Is 24 a multiple of 3? 5. _____
- 6) Is 56 a multiple of 8? 6. _____
- 7) Is 64 a multiple of 8? 7. _____
- 8) Is 60 a multiple of 9? 8. _____
- 9) Is 14 a multiple of 6? 9. _____
- 10) Is 26 a multiple of 7? 10. _____
- 11) Is 60 a multiple of 6? 11. _____
- 12) Is 39 a multiple of 3? 12. _____
- 13) Is 62 a multiple of 3? 13. _____
- 14) Is 63 a multiple of 7? 14. _____
- 15) Is 80 a multiple of 8? 15. _____
- 16) Is 42 a multiple of 4? 16. _____
- 17) Is 45 a multiple of 9? 17. _____
- 18) Is 25 a multiple of 5? 18. _____
- 19) Is 71 a multiple of 9? 19. _____
- 20) Is 91 a multiple of 6? 20. _____



Determine the number that correctly fills in the blank.

Answers

- | | |
|-------------------------------------|-----------|
| 1) 56 is 7 times as many as _____. | 1. _____ |
| 2) 6 times as many as 6 is _____. | 2. _____ |
| 3) 10 is _____ times as many as 5. | 3. _____ |
| 4) 14 is 2 times as many as _____. | 4. _____ |
| 5) 2 times as many as 9 is _____. | 5. _____ |
| 6) 14 is _____ times as many as 7. | 6. _____ |
| 7) 30 is 5 times as many as _____. | 7. _____ |
| 8) 7 times as many as 3 is _____. | 8. _____ |
| 9) 12 is _____ times as many as 4. | 9. _____ |
| 10) 45 is 5 times as many as _____. | 10. _____ |
| 11) 8 times as many as 7 is _____. | 11. _____ |
| 12) 35 is _____ times as many as 7. | 12. _____ |
| 13) 12 is 4 times as many as _____. | 13. _____ |
| 14) 9 times as many as 2 is _____. | 14. _____ |
| 15) 63 is _____ times as many as 9. | 15. _____ |
| 16) 30 is 5 times as many as _____. | 16. _____ |
| 17) 3 times as many as 6 is _____. | 17. _____ |
| 18) 72 is _____ times as many as 8. | 18. _____ |
| 19) 35 is 5 times as many as _____. | 19. _____ |
| 20) 3 times as many as 7 is _____. | 20. _____ |



Subtracting Across Zero

Name: _____

Use subtraction to solve the following problems.

Answers

$$\begin{array}{r} 1) \quad 40,003 \\ - 11,882 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 10,004 \\ - 7,640 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 80,008 \\ - 46,138 \\ \hline \end{array}$$

1. _____

2. _____

3. _____

4. _____

$$\begin{array}{r} 4) \quad 60,006 \\ - 48,714 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 30,005 \\ - 24,823 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 30,004 \\ - 7,626 \\ \hline \end{array}$$

5. _____

6. _____

7. _____

8. _____

$$\begin{array}{r} 7) \quad 10,009 \\ - 2,946 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 60,003 \\ - 16,660 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 10,003 \\ - 1,638 \\ \hline \end{array}$$

9. _____

10. _____

11. _____

12. _____

$$\begin{array}{r} 10) \quad 90,003 \\ - 40,607 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 90,005 \\ - 30,623 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 40,002 \\ - 38,204 \\ \hline \end{array}$$

13. _____

14. _____

15. _____

$$\begin{array}{r} 13) \quad 20,004 \\ - 11,819 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 30,008 \\ - 2,759 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 30,002 \\ - 7,853 \\ \hline \end{array}$$



Use addition to solve each problem.

1)
$$\begin{array}{r} 2,295 \\ + 3,874 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 4,547 \\ + 3,512 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 1,298 \\ + 6,258 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 5,453 \\ + 5,595 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 7,428 \\ + 3,306 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 4,176 \\ + 5,146 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 7,539 \\ + 3,414 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 3,656 \\ + 2,818 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 7,889 \\ + 4,844 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 8,721 \\ + 3,085 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 1,222 \\ + 4,361 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 9,874 \\ + 4,078 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 6,978 \\ + 4,056 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 3,828 \\ + 4,311 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 2,312 \\ + 3,938 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 7,177 \\ + 7,905 \\ \hline \end{array}$$

17)
$$\begin{array}{r} 8,763 \\ + 7,308 \\ \hline \end{array}$$

18)
$$\begin{array}{r} 3,365 \\ + 7,146 \\ \hline \end{array}$$

19)
$$\begin{array}{r} 4,954 \\ + 2,794 \\ \hline \end{array}$$

20)
$$\begin{array}{r} 4,519 \\ + 4,906 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

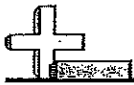
16. _____

17. _____

18. _____

19. _____

20. _____

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

- 1) 36,594 ____ 56,493
- 2) 44,062 ____ 44,260
- 3) 291,974 ____ 291,979
- 4) 2,042 ____ 242
- 5) 6,199 ____ 6,199
- 6) 6,171 ____ 6,168
- 7) 59,191 ____ 19,519
- 8) 7,570 ____ 577
- 9) 9,739 ____ 9,743
- 10) 370,631 ____ 360,317
- 11) 666,114 ____ 166,164
- 12) 683,043 ____ 683,042
- 13) 11,104 ____ 10,411
- 14) 477,771 ____ 477,771
- 15) 767,590 ____ 767,595
- 16) 61,356 ____ 51,663
- 17) 928,226 ____ 928,226
- 18) 4,696 ____ 4,697
- 19) 46,074 ____ 40,476
- 20) 5,152 ____ 5,152

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Name: _____

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Date: _____

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$Y+4 = 6$

$Z+12 = 14$

$Y+2 = 6$

$Y+21 = 26$

$X+9 = 14$

$Y+10 = 15$

$Y+16 = 19$

$Z+14 = 16$

$X+11 = 13$

$Y+24 = 26$

$Z+23 = 26$

$X+17 = 22$

$Y+3 = 7$

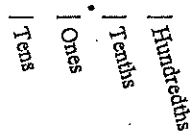
$Y+24 = 28$



Convert each fraction to a decimal.

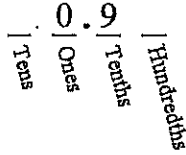
Answers

Converting from a fraction to a decimal is simple as long as you remember the place values.



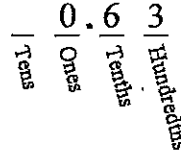
$\frac{9}{10}$

The example above is nine-tenths. Lets look at how we'd write that as a decimal.



$\frac{63}{100}$

We do the same thing for the problem above only make sure we're in the hundredths place.



Ex. 0.53

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Ex) $\frac{53}{100} = 0.53$

1) $\frac{5}{100} =$ _____

2) $\frac{7}{10} =$ _____

3) $\frac{55}{100} =$ _____

4) $\frac{24}{100} =$ _____

5) $\frac{92}{100} =$ _____

6) $\frac{2}{100} =$ _____

7) $\frac{66}{100} =$ _____

8) $\frac{2}{10} =$ _____

9) $\frac{1}{100} =$ _____

10) $\frac{4}{10} =$ _____

11) $\frac{9}{10} =$ _____

12) $\frac{45}{100} =$ _____

13) $\frac{8}{100} =$ _____

14) $\frac{8}{10} =$ _____

15) $\frac{3}{100} =$ _____

16) $\frac{3}{10} =$ _____

17) $\frac{5}{10} =$ _____

18) $\frac{4}{100} =$ _____

19) $\frac{29}{100} =$ _____

20) $\frac{74}{100} =$ _____