



# 3 Minute Math

## Addition

Score: \_\_\_\_\_

Date: \_\_\_\_\_

See how many of the following addition problems you can solve in 3 minutes.

$$\begin{array}{r} 523 \\ + 416 \\ \hline \end{array}$$

$$\begin{array}{r} 380 \\ + 214 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ + 730 \\ \hline \end{array}$$

$$\begin{array}{r} 650 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 918 \\ + 251 \\ \hline \end{array}$$

$$\begin{array}{r} 362 \\ + 536 \\ \hline \end{array}$$

$$\begin{array}{r} 627 \\ + 352 \\ \hline \end{array}$$

$$\begin{array}{r} 440 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ + 544 \\ \hline \end{array}$$

$$\begin{array}{r} 703 \\ + 184 \\ \hline \end{array}$$

$$\begin{array}{r} 629 \\ + 340 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 348 \\ + 111 \\ \hline \end{array}$$

$$\begin{array}{r} 752 \\ + 237 \\ \hline \end{array}$$

$$\begin{array}{r} 456 \\ + 220 \\ \hline \end{array}$$

$$\begin{array}{r} 663 \\ + 315 \\ \hline \end{array}$$

$$\begin{array}{r} 747 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 573 \\ + 426 \\ \hline \end{array}$$

$$\begin{array}{r} 331 \\ + 548 \\ \hline \end{array}$$

$$\begin{array}{r} 602 \\ + 374 \\ \hline \end{array}$$

$$\begin{array}{r} 228 \\ + 630 \\ \hline \end{array}$$

$$\begin{array}{r} 183 \\ + 616 \\ \hline \end{array}$$

$$\begin{array}{r} 704 \\ + 134 \\ \hline \end{array}$$

$$\begin{array}{r} 560 \\ + 428 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ + 417 \\ \hline \end{array}$$

$$\begin{array}{r} 329 \\ + 551 \\ \hline \end{array}$$

$$\begin{array}{r} 768 \\ + 123 \\ \hline \end{array}$$

$$\begin{array}{r} 447 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 646 \\ + 345 \\ \hline \end{array}$$

$$\begin{array}{r} 539 \\ + 202 \\ \hline \end{array}$$

$$\begin{array}{r} 375 \\ + 308 \\ \hline \end{array}$$

$$\begin{array}{r} 924 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 683 \\ + 117 \\ \hline \end{array}$$

$$\begin{array}{r} 586 \\ + 206 \\ \hline \end{array}$$

$$\begin{array}{r} 405 \\ + 266 \\ \hline \end{array}$$

$$\begin{array}{r} 736 \\ + 248 \\ \hline \end{array}$$

$$\begin{array}{r} 167 \\ + 253 \\ \hline \end{array}$$

$$\begin{array}{r} 573 \\ + 159 \\ \hline \end{array}$$

$$\begin{array}{r} 849 \\ + 73 \\ \hline \end{array}$$

$$\begin{array}{r} 392 \\ + 428 \\ \hline \end{array}$$

$$\begin{array}{r} 743 \\ + 168 \\ \hline \end{array}$$

$$\begin{array}{r} 667 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ + 789 \\ \hline \end{array}$$

$$\begin{array}{r} 390 \\ + 745 \\ \hline \end{array}$$

$$\begin{array}{r} 274 \\ + 839 \\ \hline \end{array}$$

$$\begin{array}{r} 355 \\ + 48 \\ \hline \end{array}$$

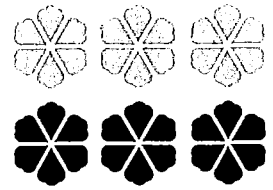
$$\begin{array}{r} 639 \\ + 169 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ + 677 \\ \hline \end{array}$$

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# Triple-Digit Subtraction

Solve each subtraction problem below, using regrouping when needed.



$$\begin{array}{r} 840 \\ - 806 \\ \hline \end{array}$$

$$\begin{array}{r} 191 \\ - 172 \\ \hline \end{array}$$

$$\begin{array}{r} 396 \\ - 134 \\ \hline \end{array}$$

$$\begin{array}{r} 225 \\ - 156 \\ \hline \end{array}$$

$$\begin{array}{r} 757 \\ - 224 \\ \hline \end{array}$$

$$\begin{array}{r} 691 \\ - 499 \\ \hline \end{array}$$

$$\begin{array}{r} 489 \\ - 330 \\ \hline \end{array}$$

$$\begin{array}{r} 536 \\ - 432 \\ \hline \end{array}$$

$$\begin{array}{r} 898 \\ - 771 \\ \hline \end{array}$$

$$\begin{array}{r} 951 \\ - 624 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ - 534 \\ \hline \end{array}$$

$$\begin{array}{r} 538 \\ - 212 \\ \hline \end{array}$$

$$\begin{array}{r} 464 \\ - 259 \\ \hline \end{array}$$

$$\begin{array}{r} 804 \\ - 704 \\ \hline \end{array}$$

$$\begin{array}{r} 509 \\ - 132 \\ \hline \end{array}$$

Name \_\_\_\_\_

# Multiplication

$$\begin{array}{r} 528 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 653 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 284 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 703 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 496 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 156 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 830 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 396 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 276 \\ \times 3 \\ \hline \end{array}$$

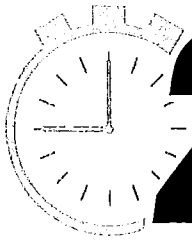
$$\begin{array}{r} 970 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 482 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 806 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 219 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 734 \\ \times 5 \\ \hline \end{array}$$



# 2 Minute Math

## Multiplication

Score: \_\_\_\_\_

Date: \_\_\_\_\_

See how many of the following multiplication problems you can solve in 2 minutes:

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 1 \\ \hline \end{array}$$

Name \_\_\_\_\_

# Division

$$8 \overline{)168}$$

$$8 \overline{)328}$$

$$8 \overline{)512}$$

$$9 \overline{)279}$$

$$9 \overline{)477}$$

$$9 \overline{)765}$$

$$10 \overline{)310}$$

$$10 \overline{)670}$$

$$10 \overline{)790}$$

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## Division Worksheet

<p>1 a.</p> $\begin{array}{r} \phantom{00} \\ 39 \overline{) 117} \end{array}$	<p>1 b.</p> $\begin{array}{r} \phantom{00} \\ 45 \overline{) 765} \end{array}$	<p>1 c.</p> $\begin{array}{r} \phantom{00} \\ 15 \overline{) 210} \end{array}$
<p>2 a.</p> $\begin{array}{r} \phantom{00} \\ 92 \overline{) 828} \end{array}$	<p>2 b.</p> $\begin{array}{r} \phantom{00} \\ 12 \overline{) 624} \end{array}$	<p>2 c.</p> $\begin{array}{r} \phantom{00} \\ 42 \overline{) 966} \end{array}$
<p>3 a.</p> $\begin{array}{r} \phantom{00} \\ 10 \overline{) 360} \end{array}$	<p>3 b.</p> $\begin{array}{r} \phantom{00} \\ 42 \overline{) 252} \end{array}$	<p>3 c.</p> $\begin{array}{r} \phantom{00} \\ 53 \overline{) 318} \end{array}$

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## DECIMAL ADDITION WORKSHEETS TO 2DP SHEET 1

$$\begin{array}{r} 1) \quad 8.24 \\ + \quad 3.51 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 4.67 \\ + \quad 7.2 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 2.68 \\ + \quad 3.64 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 68.7 \\ + \quad 53.8 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 6.96 \\ + \quad 0.42 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 2.88 \\ + \quad 7.45 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 52.68 \\ + \quad 26.54 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 28.25 \\ + \quad 40.7 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 85.65 \\ + \quad 97.93 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 70.78 \\ + \quad 85.04 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 39.43 \\ + \quad 82.68 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 38.2 \\ + \quad 82.57 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 62.8 \\ + \quad 31.26 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 38.05 \\ + \quad 42.78 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 63.85 \\ + \quad 6.57 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 5.47 \\ + \quad 0.83 \\ + \quad 2.36 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 0.27 \\ + \quad 2.85 \\ + \quad 3.6 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 5.36 \\ + \quad 8.8 \\ + \quad 4.35 \\ \hline \end{array}$$





Name: \_\_\_\_\_

## Subtraction of Decimals Up To 3 Places

Find the difference.

$$\begin{array}{r} 1. \quad 7.5 \\ - 5.6 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 0.70 \\ - 0.29 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 0.26 \\ - 0.11 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 0.94 \\ - 0.47 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 0.096 \\ - 0.047 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 0.010 \\ - 0.010 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 0.73 \\ - 0.51 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 0.062 \\ - 0.018 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 8.5 \\ - 7.0 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 0.89 \\ - 0.67 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 6.2 \\ - 1.1 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 0.97 \\ - 0.51 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 8.6 \\ - 4.8 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 0.083 \\ - 0.037 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 0.27 \\ - 0.19 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 6.3 \\ - 4.6 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 0.092 \\ - 0.074 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 0.078 \\ - 0.016 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 0.057 \\ - 0.042 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 7.4 \\ - 1.2 \\ \hline \end{array}$$



Multiplying 3-Digit by 2-Digit Numbers with Various Decimal Places (A)

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Calculate each product.

$$\begin{array}{r} 68.2 \\ \times 8.4 \\ \hline \end{array}$$

$$\begin{array}{r} 630 \\ \times 1.2 \\ \hline \end{array}$$

$$\begin{array}{r} 16.0 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 5.52 \\ \times 0.25 \\ \hline \end{array}$$

$$\begin{array}{r} 32.3 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 7.91 \\ \times 0.19 \\ \hline \end{array}$$

$$\begin{array}{r} 26.3 \\ \times 7.8 \\ \hline \end{array}$$

$$\begin{array}{r} 3.07 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 63.2 \\ \times 8.5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.394 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 55.8 \\ \times 9.4 \\ \hline \end{array}$$

$$\begin{array}{r} 596 \\ \times 3.6 \\ \hline \end{array}$$

$$\begin{array}{r} 940 \\ \times 8.2 \\ \hline \end{array}$$

$$\begin{array}{r} 203 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 0.707 \\ \times 0.97 \\ \hline \end{array}$$

$$\begin{array}{r} 906 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 310 \\ \times 1.8 \\ \hline \end{array}$$

$$\begin{array}{r} 520 \\ \times 0.92 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ \times 0.41 \\ \hline \end{array}$$

$$\begin{array}{r} 6.00 \\ \times 5.1 \\ \hline \end{array}$$

$$\begin{array}{r} 0.913 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 12.8 \\ \times 3.8 \\ \hline \end{array}$$

$$\begin{array}{r} 52.2 \\ \times 2.3 \\ \hline \end{array}$$

$$\begin{array}{r} 0.394 \\ \times 76 \\ \hline \end{array}$$

$$\begin{array}{r} 0.411 \\ \times 0.35 \\ \hline \end{array}$$



Name: \_\_\_\_\_

## Division of Decimals Up To 3 Places

Find the quotient.

1.  $0.21 \overline{) 33.2}$

2.  $0.56 \overline{) 0.030}$

3.  $7.7 \overline{) 4.06}$

4.  $44 \overline{) 14.5}$

5.  $44 \overline{) 0.205}$

6.  $0.11 \overline{) 8.10}$

7.  $5.5 \overline{) 62.3}$

8.  $9.3 \overline{) 7.51}$

9.  $33 \overline{) 9.03}$

10.  $24 \overline{) 46.4}$

11.  $0.39 \overline{) 4.8}$

12.  $81 \overline{) 62.6}$

13.  $34 \overline{) 5.44}$

14.  $73 \overline{) 9.17}$

15.  $8.9 \overline{) 4.33}$

16.  $0.86 \overline{) 5.12}$

17.  $0.20 \overline{) 5.51}$

18.  $0.54 \overline{) 23.4}$

19.  $0.93 \overline{) 38.9}$

20.  $0.10 \overline{) 11.2}$

## Rules for Rounding

Here's the general rule for rounding:

- If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up. Example: 38 rounded to the nearest ten is 40
- If the number you are rounding is followed by 0, 1, 2, 3, or 4, round the number down. Example: 33 rounded to the nearest ten is 30

## What Are You Rounding to?

When rounding a number, you first need to ask: **what are you rounding it to?** Numbers can be rounded to the nearest ten, the nearest hundred, the nearest thousand, and so on.

Consider the number 4,827.

- 4,827 rounded to the nearest ten is 4,830
- 4,827 rounded to the nearest hundred is 4,800
- 4,827 rounded to the nearest thousand is 5,000

All the **numbers to the right of the place you are rounding to become zeros**. Here are some more examples:

- 34 rounded to the nearest ten is 30
- 6,809 rounded to the nearest hundred is 6,800
- 1,951 rounded to the nearest thousand is 2,000

## Rounding and Fractions

Rounding fractions **works exactly the same way** as rounding whole numbers. The only difference is that instead of rounding to tens, hundreds, thousands, and so on, you round to tenths, hundredths, thousandths, and so on.

- 7.8199 rounded to the nearest tenth is 7.8
- 1.0621 rounded to the nearest hundredth is 1.06
- 3.8792 rounded to the nearest thousandth is 3.879

Here's a tip: to **avoid getting confused** in rounding long decimals, **look only at the number in the place you are rounding to and the number that follows it**. For example, to round 5.3824791401 to the nearest

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## ROUNDING TO THE NEAREST TENTH SHEET 1

Follow these simple steps to round a number to the nearest tenth:

- if the number is already a multiple of 0.1, don't change it!
- if the hundredths digit is less than 5 then the number is rounded down. Keep the tenths digit unchanged and remove the decimal digits after.
- if the hundredths digit is 5 or more, the number is rounded up. Simply add one to the tenths digit and remove the decimal digits after.

### Examples

3.87 is rounded **up** to 3.9 because the hundredths digit is 7.

7.348 is rounded **down** to 7.3 because the hundredths digit is 4.

5.8 is unchanged because it is already a multiple of 0.1.

5.35 is rounded **up** to 5.4 because the hundredths digit is 5.

*Round these numbers to the nearest tenth*

- |           |   |       |          |   |       |           |   |       |
|-----------|---|-------|----------|---|-------|-----------|---|-------|
| 1) 3.47   | → | _____ | 2) 2.41  | → | _____ | 3) 7.63   | → | _____ |
| 4) 6.18   | → | _____ | 5) 5.75  | → | _____ | 6) 4.9    | → | _____ |
| 7) 1.16   | → | _____ | 8) 0.84  | → | _____ | 9) 7.72   | → | _____ |
| 10) 0.56  | → | _____ | 11) 6.02 | → | _____ | 12) 3.39  | → | _____ |
| 13) 1.62  | → | _____ | 14) 0.08 | → | _____ | 15) 1.25  | → | _____ |
| 16) 0.73  | → | _____ | 17) 5.6  | → | _____ | 18) 2.96  | → | _____ |
| 19) 6.81  | → | _____ | 20) 2.03 | → | _____ | 21) 5.15  | → | _____ |
| 22) 11.32 | → | _____ | 23) 0.58 | → | _____ | 24) 14.67 | → | _____ |

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## ROUNDING TO 2 DECIMAL PLACES SHEET 1

Follow these simple steps to round a number to 2 decimal places (2dp):

- if the number has 2 or fewer decimal places, don't change it!
- if 3<sup>rd</sup> decimal place digit is less than 5 then the number is rounded down.  
Keep the 2<sup>nd</sup> decimal place digit unchanged and remove the digits after.
- if the 3<sup>rd</sup> decimal place digit is 5 or more, the number is rounded up. Simply add one to the 2<sup>nd</sup> decimal place digit and remove the decimal digits after.

### Examples

3.827 is rounded **up** to 3.83 because the 3<sup>rd</sup> decimal place digit is 7.

7.384 is rounded **down** to 7.38 because the 3<sup>rd</sup> decimal place digit is 4.

5.86 is unchanged because it only has 2 decimal places.

5.3152 is rounded **up** to 5.32 because the 3<sup>rd</sup> decimal place digit is 5.

*Round these numbers to 2 decimal places*

- |           |   |       |           |   |       |            |   |       |
|-----------|---|-------|-----------|---|-------|------------|---|-------|
| 1) 2.437  | → | _____ | 2) 1.892  | → | _____ | 3) 0.378   | → | _____ |
| 4) 0.649  | → | _____ | 5) 2.807  | → | _____ | 6) 2.95    | → | _____ |
| 7) 7.029  | → | _____ | 8) 5.216  | → | _____ | 9) 3.925   | → | _____ |
| 10) 0.526 | → | _____ | 11) 0.803 | → | _____ | 12) 4.038  | → | _____ |
| 13) 7.796 | → | _____ | 14) 6.273 | → | _____ | 15) 0.306  | → | _____ |
| 16) 8.335 | → | _____ | 17) 1.193 | → | _____ | 18) 5.211  | → | _____ |
| 19) 7.39  | → | _____ | 20) 0.485 | → | _____ | 21) 2.377  | → | _____ |
| 22) 5.012 | → | _____ | 23) 2.819 | → | _____ | 24) 14.293 | → | _____ |

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## CONVERTING 12- TO 24-HOUR CLOCK TIMES SHEET 2

1) Convert these times into 24 hour clock times.

12 hour	24 hour
3:25am	03:25
7:20am	
8:05am	
12:20am	
1:16am	
4:56am	
10:42am	
12:51am	

12 hour	24 hour
3:25pm	
7:20pm	
8:05pm	
12:20pm	
1:16pm	
4:56pm	
10:42pm	
12:51pm	

2) Convert the times on these clock faces into 24 hour clock times.

 am
 pm

 am
 pm

 am
 pm

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### Creating Ratios (Non- Ordered)

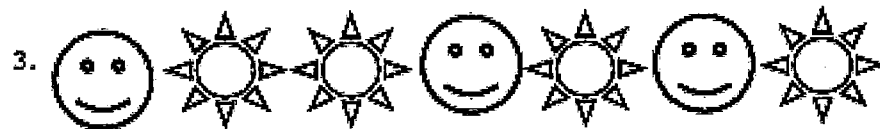
Write the ratio in the simplest form.



The ratio of cubes to ovals = \_\_\_\_\_



The ratio of stars to arches = \_\_\_\_\_



The ratio of suns to happy faces = \_\_\_\_\_



The ratio of arrows to plaques = \_\_\_\_\_



The ratio of triangles to quadrilaterals. = \_\_\_\_\_



Solve each problem.

- Ex) At the burger shop the ratio of regular sodas sold to diet sodas sold was 9:6. For every \_\_\_\_\_ diet sodas sold there are \_\_\_\_\_ regular sodas sold.
- 1) At the the thrift store the ratio of long sleeve shirts to short sleeve shirts was 4:3. For every \_\_\_\_\_ short sleeve shirts there were \_\_\_\_\_ long sleeve shirts.
- 2) The ratio of cars to trucks in a parking lot was 6:8. For every \_\_\_\_\_ cars there were \_\_\_\_\_ trucks.
- 3) The ratio of males to females birds in a bird cage was 3:9. For every \_\_\_\_\_ males there are \_\_\_\_\_ females.
- 4) At the pet store the ratio of dogs to cats was 6:4. For every \_\_\_\_\_ dogs there are \_\_\_\_\_ cats.
- 5) At the store the ratio of books sold to movies sold was 5:7. For every \_\_\_\_\_ movies sold there were \_\_\_\_\_ books sold.
- 6) During the class election the ratio of votes for Olivia to votes for Tom was 4:9. For every \_\_\_\_\_ votes Tom got Olivia got \_\_\_\_\_.
- 7) In a bag of candy for every 8 chocolate pieces there are 5 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?
- 8) At an icecream shop for every 2 vanilla cones sold there were 9 chocolate cones sold. What is the ratio of chocolate cones to vanilla cones sold?
- 9) For every 9 red apples in an orchard there were 8 green apples. What is the ratio of green apples to red apples?
- 10) In a neighborhood for every 6 old homes there were 9 new homes. What is the ratio of old homes to new homes?
- 11) At the movie theater the ratio of small popcorns sold to large popcorns sold was 7:4. For every \_\_\_\_\_ small popcorns sold there are \_\_\_\_\_ large popcorns sold.
- 12) The ratio of boys to girls on a softball team was 9:5. For every \_\_\_\_\_ boys there are \_\_\_\_\_ girls.

Answers

- Ex.     6     9
- 1.     \_\_\_\_\_
- 2.     \_\_\_\_\_
- 3.     \_\_\_\_\_
- 4.     \_\_\_\_\_
- 5.     \_\_\_\_\_
- 6.     \_\_\_\_\_
- 7.     \_\_\_\_\_
- 8.     \_\_\_\_\_
- 9.     \_\_\_\_\_
- 10.    \_\_\_\_\_
- 11.    \_\_\_\_\_
- 12.    \_\_\_\_\_