



Rewrite each expanded form number in numeric form.

Answers

1) $200,000 + 70,000 + 4,000 + 500 + 4$

1. _____

2) $2,000 + 800 + 10$

2. _____

3) $1,000 + 300 + 40 + 8$

3. _____

4) $200,000 + 30,000 + 2,000 + 200 + 70 + 4$

4. _____

5) $60,000 + 6,000 + 500 + 20 + 7$

5. _____

6) $5,000 + 600 + 50 + 2$

6. _____

7) $1,000 + 6$

7. _____

8) $100,000 + 80,000 + 7,000 + 700 + 70 + 6$

8. _____

9) $60,000 + 1,000 + 200 + 60 + 8$

9. _____

10) $300,000 + 10,000 + 3,000 + 300 + 30 + 9$

10. _____

11) $400,000 + 30,000 + 900 + 70 + 1$

11. _____

12) $10,000 + 9,000 + 400 + 20 + 9$

12. _____

13) $100,000 + 40,000 + 6,000 + 400 + 10 + 9$

13. _____

14) $300,000 + 60,000 + 1,000 + 90 + 8$

14. _____

15) $7,000 + 100 + 30 + 7$

15. _____

16) $40,000 + 4,000 + 200 + 80 + 9$

16. _____

17) $30,000 + 9,000 + 100 + 10 + 7$

17. _____

18) $9,000 + 70 + 8$

18. _____

19) $5,000 + 600 + 40 + 7$

19. _____

20) $20,000 + 6,000 + 800 + 30 + 7$

20. _____



Rewrite each number in expanded form.

1) 2,907

2) 633,235

3) 97,382

4) 6,643

5) 8,198

6) 888,617

7) 81,431

8) 2,887

9) 78,358

10) 162,829

11) 77,996

12) 7,121

13) 274,812

14) 89,240

15) 310,537

16) 94,462

17) 190,639

18) 6,814

19) 19,056

20) 332,871



Write the number in word form.

1) 5,451

2) 32,617

3) 995,333

4) 811,967

5) 2,059

6) 2,624

7) 16,640

8) 9,831

9) 9,575

10) 546,157

11) 52,426

12) 780,237

13) 76,251

14) 881,366

15) 6,995

16) 437,169

17) 1,453

18) 11,770

19) 712,919

20) 34,299

**Compare the values of each of the digits.****Answers**

1) 114,974

The 4 in the thousands place is _____ the value of the 4 in the ones place.

1. _____

2) 5,885

The 5 in the thousands place is _____ the value of the 5 in the ones place.

2. _____

3) 631,183

The 1 in the thousands place is _____ the value of the 1 in the hundreds place.

3. _____

4) 858

The 8 in the hundreds place is _____ the value of the 8 in the ones place.

4. _____

5) 884,446

The 8 in the hundred thousands place is _____ the value of the 8 in the ten thousands place.

5. _____

6) 474

The 4 in the ones place is _____ the value of the 4 in the hundreds place.

6. _____

7) 66,348

The 6 in the ten thousands place is _____ the value of the 6 in the thousands place.

7. _____

8) 188

The 8 in the tens place is _____ the value of the 8 in the ones place.

8. _____

9) 337

The 3 in the hundreds place is _____ the value of the 3 in the tens place.

9. _____

10) 186,767

The 6 in the tens place is _____ the value of the 6 in the thousands place.

10. _____

11) 228

The 2 in the hundreds place is _____ the value of the 2 in the tens place.

11. _____

12) 497,755

The 7 in the hundreds place is _____ the value of the 7 in the thousands place.

12. _____

13) 822

The 2 in the tens place is _____ the value of the 2 in the ones place.

13. _____



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

Answers

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



Solve each problem.

Answers

$$\begin{array}{r} 1) \quad 5,213 \\ + \quad 2,948 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 7,027 \\ + \quad 3,410 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5,372 \\ + \quad 4,012 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 2,763 \\ + \quad 2,307 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 3,005 \\ + \quad 1,873 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 5,584 \\ + \quad 4,419 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9,784 \\ + \quad 1,169 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 5,328 \\ + \quad 4,721 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 9,445 \\ + \quad 7,478 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 4,513 \\ + \quad 3,507 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 9,580 \\ + \quad 2,520 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 9,140 \\ + \quad 6,591 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 8,513 \\ + \quad 4,283 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 7,548 \\ + \quad 1,444 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7,176 \\ + \quad 1,149 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 4,769 \\ + \quad 3,847 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 3,270 \\ + \quad 2,728 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 6,456 \\ + \quad 1,960 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 9,241 \\ + \quad 3,887 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 7,360 \\ + \quad 3,845 \\ \hline \end{array}$$

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



Use subtraction to solve the following problems.

Answers

$$\begin{array}{r} 1) \quad 1,031 \\ - 1,030 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 3,562 \\ - 2,102 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 4,629 \\ - 2,408 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 2,792 \\ - 1,744 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8,701 \\ - 5,039 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6,855 \\ - 6,536 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7,342 \\ - 6,567 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7,597 \\ - 2,579 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8,145 \\ - 3,978 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 1,360 \\ - 1,006 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5,205 \\ - 3,565 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 6,988 \\ - 3,952 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 6,113 \\ - 3,180 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 2,826 \\ - 1,713 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 4,965 \\ - 2,326 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 7,715 \\ - 7,220 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 9,354 \\ - 3,532 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 9,002 \\ - 7,560 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 4,374 \\ - 3,702 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 7,528 \\ - 2,889 \\ \hline \end{array}$$

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



Use subtraction to solve the following problems.

$$\begin{array}{r} 1) \quad 30,002 \\ - 2,830 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 70,001 \\ - 1,618 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 70,005 \\ - 30,778 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 70,002 \\ - 52,476 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 20,003 \\ - 17,922 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 10,006 \\ - 392 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 10,007 \\ - 5,772 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 10,003 \\ - 3,935 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 50,008 \\ - 34,411 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 40,001 \\ - 11,444 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 70,003 \\ - 54,717 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 80,007 \\ - 32,730 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 40,006 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 50,003 \\ - 46,117 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 80,006 \\ - 26,922 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



Round each number to the place value specified.

Answers

- 1) Round 168,356 to the nearest ten thousand. 1. _____
- 2) Round 446,221 to the nearest ten. 2. _____
- 3) Round 45,122 to the nearest ten thousand. 3. _____
- 4) Round 7,782 to the nearest hundred. 4. _____
- 5) Round 992,449 to the nearest hundred thousand. 5. _____
- 6) Round 9,254 to the nearest hundred. 6. _____
- 7) Round 5,068 to the nearest ten. 7. _____
- 8) Round 5,282 to the nearest ten. 8. _____
- 9) Round 813 to the nearest ten. 9. _____
- 10) Round 223 to the nearest ten. 10. _____
- 11) Round 44,769 to the nearest ten. 11. _____
- 12) Round 76,340 to the nearest thousand. 12. _____
- 13) Round 924 to the nearest ten. 13. _____
- 14) Round 222,702 to the nearest ten thousand. 14. _____
- 15) Round 82,321 to the nearest hundred. 15. _____
- 16) Round 5,479 to the nearest hundred. 16. _____
- 17) Round 527 to the nearest hundred. 17. _____
- 18) Round 913,610 to the nearest ten. 18. _____
- 19) Round 88,347 to the nearest hundred. 19. _____
- 20) Round 630 to the nearest ten. 20. _____



Express the value shown.

Ex)

Ten Thousands	Thousands	Hundreds	Tens	Ones
3	55	5	26	2

1)

Thousands	Tens	Ones
6	49	7

2)

Ten Thousands	Thousands	Hundreds	Tens
1	80	6	33

3)

Thousands	Hundreds	Ones
6	9	16

4)

Ten Thousands	Thousands	Hundreds	Tens	Ones
3	1	22	4	48

5)

Hundreds	Tens	Ones
4	4	21

6)

Thousands	Hundreds	Tens	Ones
2	3	18	2

7)

Ten Thousands	Thousands	Hundreds	Tens	Ones
9	2	3	4	19

8)

Ten Thousands	Thousands	Hundreds	Tens	Ones
8	9	2	18	9

9)

Hundreds	Tens	Ones
1	17	3

10)

Thousands	Hundreds	Ones
1	21	21

11)

Hundreds	Tens	Ones
1	66	9

12)

Tens	Ones
37	8

Answers

Ex. 85,762

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

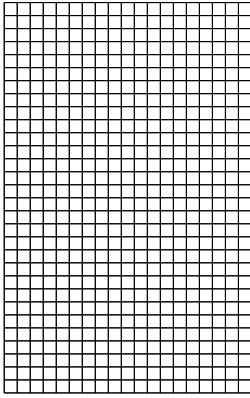
11. _____

12. _____

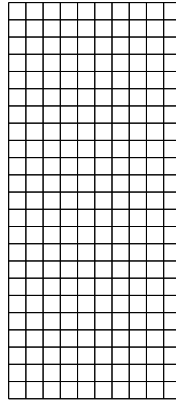


Use the array provided to solve each problem.

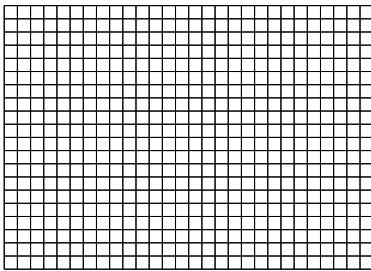
1) $30 \times 19 =$



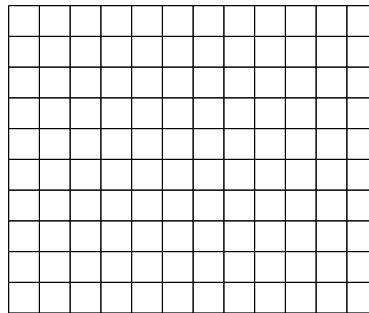
2) $23 \times 10 =$



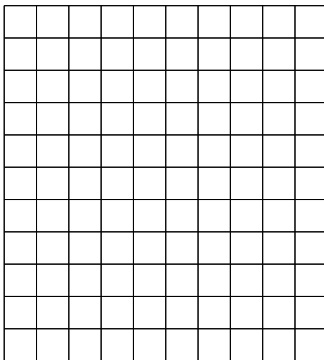
3) $20 \times 28 =$



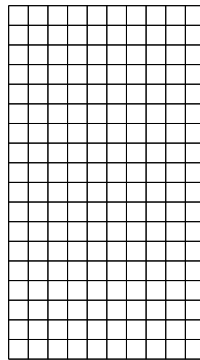
4) $10 \times 12 =$



5) $11 \times 10 =$



6) $18 \times 10 =$



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____



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. _____



Solve each problem.

$$\begin{array}{r} 1) \quad 20 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 58 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 71 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 61 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 76 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 91 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 78 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 76 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 75 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 83 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 18 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 40 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 84 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 13 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 46 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 20 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 81 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 37 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 52 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 84 \\ \times 4 \\ \hline \end{array}$$

Answers

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



Solve each problem.

$$\begin{array}{r} 1) \quad 8,107 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 7,955 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5,197 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 5,563 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 7,754 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 1,185 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 8,746 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3,540 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 5,642 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 7,845 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 9,411 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 4,821 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 8,523 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 7,685 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 4,944 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 7,157 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 5,145 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 7,454 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 2,095 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 8,297 \\ \times \quad 3 \\ \hline \end{array}$$

Answers

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



Solve each problem.

$$\begin{array}{r} 1) \quad 57 \\ \times 71 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 33 \\ \times 58 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 97 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 37 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 77 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 47 \\ \times 67 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 74 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 26 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 27 \\ \times 39 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 74 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 13 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 63 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 64 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 92 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 73 \\ \times 60 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 34 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 74 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 78 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 51 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 97 \\ \times 60 \\ \hline \end{array}$$

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) Determine which choice (or choices) best represent the equation:
10 is 5 times as many as 2
A. $5 + 5 = 10$
B. $5 \times 5 = 10$
C. $5 \times 2 = 10$
D. $10 = 2 \times 5$
- 2) Determine which choice (or choices) best represent the equation:
54 is 9 times as many as 6
A. $6 + 6 = 54$
B. $54 = 6 \times 9$
C. $54 = 9 + 9$
D. $54 = 6 + 9$
- 3) Determine which choice (or choices) best represent the equation:
27 is 9 times as many as 3
A. $27 = 3 \times 3$
B. $27 = 9 + 3$
C. $3 \times 9 = 27$
D. $9 \times 3 = 27$
- 4) Determine which choice (or choices) best represent the equation:
48 is 6 times as many as 8
A. $8 \times 6 = 48$
B. $6 \times 8 = 48$
C. $48 = 8 \times 8$
D. $48 = 6 + 6$
- 5) Determine which choice (or choices) best represent the equation:
40 is 4 times as many as 10
A. $10 \times 4 = 40$
B. $4 \times 4 = 40$
C. $4 \times 10 = 40$
D. $4 + 10 = 40$
- 6) Determine which choice (or choices) best represent the equation:
48 is 8 times as many as 6
A. $48 = 8 \times 6$
B. $48 = 6 + 8$
C. $48 = 6 + 6$
D. $6 \times 8 = 48$
- 7) Determine which choice (or choices) best represent the equation:
35 is 5 times as many as 7
A. $35 = 7 + 5$
B. $5 \times 7 = 35$
C. $7 \times 5 = 35$
D. $35 = 7 + 7$
- 8) Determine which choice (or choices) best represent the equation:
12 is 2 times as many as 6
A. $12 = 6 + 6$
B. $6 \times 2 = 12$
C. $12 = 2 \times 6$
D. $2 + 6 = 12$
- 9) Determine which choice (or choices) best represent the equation:
12 is 6 times as many as 2
A. $12 = 6 \times 6$
B. $12 = 6 \times 2$
C. $12 = 2 \times 6$
D. $12 = 6 + 2$
- 10) Determine which choice (or choices) best represent the equation:
70 is 10 times as many as 7
A. $7 \times 7 = 70$
B. $70 = 10 + 10$
C. $10 \times 10 = 70$
D. $70 = 10 \times 7$

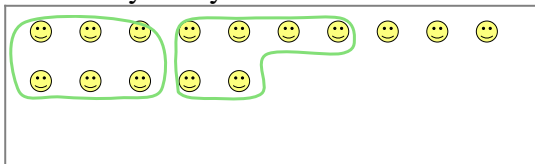
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

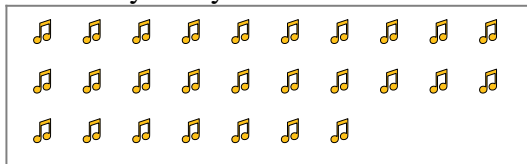


Use the shapes provided to answer the questions.

Ex) There are 15 shapes below. How many groups of 6 can you make with them? How many will you have left over?



1) There are 27 shapes below. How many groups of 5 can you make with them? How many will you have left over?



Answers

Ex. 2

Ex. 3

1a. _____

1b. _____

2a. _____

2b. _____

3a. _____

3b. _____

4a. _____

4b. _____

5a. _____

5b. _____

6a. _____

6b. _____

7a. _____

7b. _____

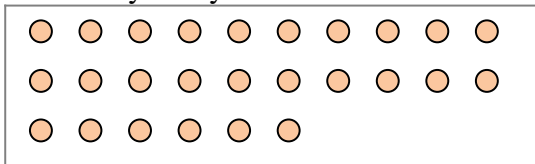
8a. _____

8b. _____

9a. _____

9b. _____

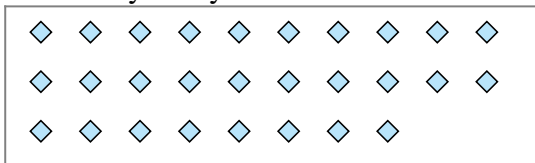
2) There are 26 shapes below. How many groups of 4 can you make with them? How many will you have left over?



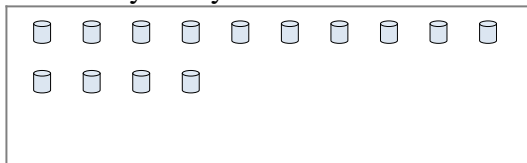
3) There are 23 shapes below. How many groups of 9 can you make with them? How many will you have left over?



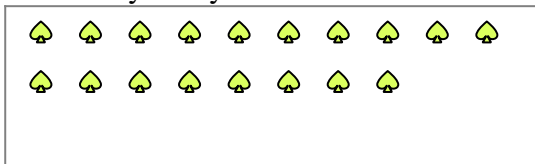
4) There are 28 shapes below. How many groups of 2 can you make with them? How many will you have left over?



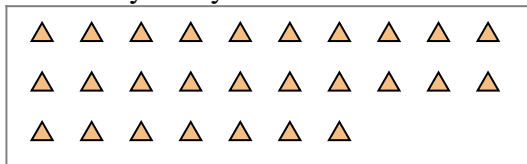
5) There are 14 shapes below. How many groups of 4 can you make with them? How many will you have left over?



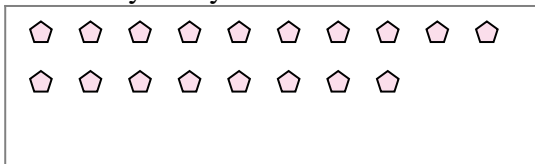
6) There are 18 shapes below. How many groups of 5 can you make with them? How many will you have left over?



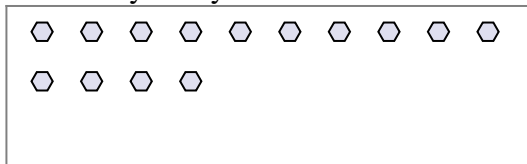
7) There are 27 shapes below. How many groups of 6 can you make with them? How many will you have left over?



8) There are 18 shapes below. How many groups of 3 can you make with them? How many will you have left over?



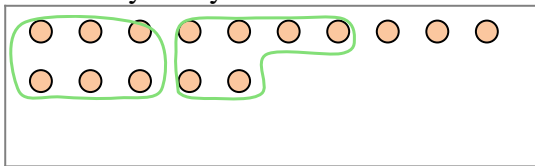
9) There are 14 shapes below. How many groups of 3 can you make with them? How many will you have left over?



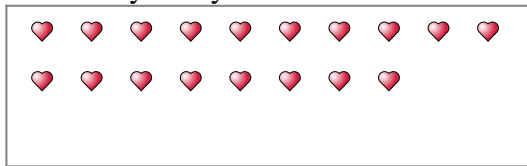


Use the shapes provided to answer the questions.

Ex) There are 15 shapes below. How many groups of 6 can you make with them?
How many will you have left over?



1) There are 18 shapes below. How many groups of 3 can you make with them?
How many will you have left over?



Answers

Ex. 2

Ex. 3

1a. _____

1b. _____

2a. _____

2b. _____

3a. _____

3b. _____

4a. _____

4b. _____

5a. _____

5b. _____

6a. _____

6b. _____

7a. _____

7b. _____

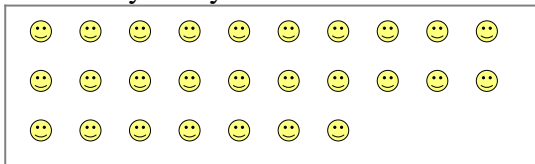
8a. _____

8b. _____

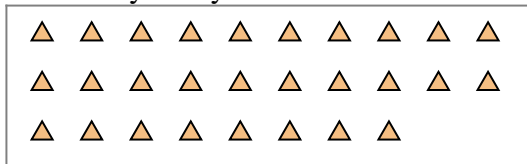
9a. _____

9b. _____

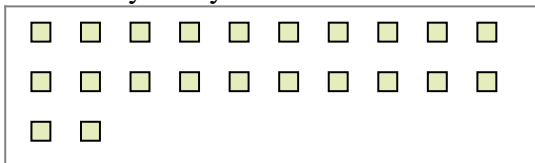
2) There are 27 shapes below. How many groups of 2 can you make with them?
How many will you have left over?



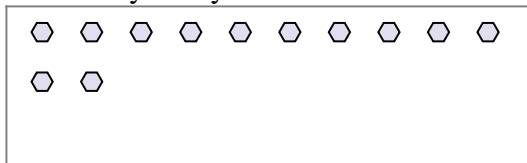
3) There are 28 shapes below. How many groups of 6 can you make with them?
How many will you have left over?



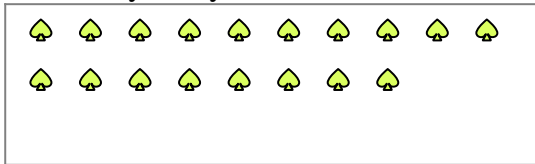
4) There are 22 shapes below. How many groups of 7 can you make with them?
How many will you have left over?



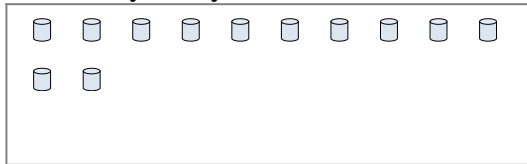
5) There are 12 shapes below. How many groups of 7 can you make with them?
How many will you have left over?



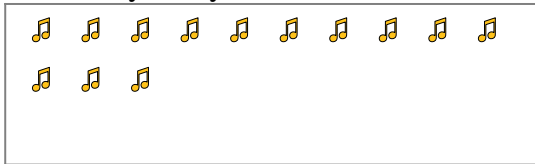
6) There are 18 shapes below. How many groups of 3 can you make with them?
How many will you have left over?



7) There are 12 shapes below. How many groups of 8 can you make with them?
How many will you have left over?



8) There are 13 shapes below. How many groups of 9 can you make with them?
How many will you have left over?



9) There are 22 shapes below. How many groups of 3 can you make with them?
How many will you have left over?



**Solve each problem.**

- 1) The table below shows the number of books Sarah read the first 4 months of school.

Month	Books Read
1	21
2	34
3	21
4	39

If Billy read 9 times as many books as Sarah, how many fewer books did Sarah read?

- 3) The table below show the points Sarah scored on a video game each time she played.

Game #	Points Scored
1	147
2	152
3	162

After the first 3 games, she took a break and came back the next day and scored 7 times as many points as she had during all the previous games combined. How many fewer points did she score before her break than she scored after her break?

- 2) A new fast food restaurant opened 5 months ago. The table belows shows the number of burgers they've sold so far.

Month	Burgers Sold
1	3,965
2	1,107
3	3,741
4	3,457
5	1,172

The next month (after spending some money on an ad) they sold 7 times as many as they had sold in the previous 5 months. How many more burgers did they sell after running the ad?

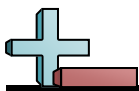
- 4) The table below show the pounds of candy a company sold in the months leading up to October.

Month	Pounds of Candy Sold
May	108
June	129
July	168
August	192
September	198

In October they sold 6 times as many pounds of candy as they did in the previous 5 months combined. How many more pounds did they sell in October than were sold in the previous 5 months?

Answers

1. _____
 2. _____
 3. _____
 4. _____

Use **addition, subtraction, multiplication or division** to solve each problem.Answers

- 1) Robin had 17 math problems for homework. If she finished 8 of them on the bus ride home, how many more did she have to do?
- 2) Carol needs to buy 16 apples for apple bobbing. If each bag contains 4 apples, how many bags will she need?
- 3) Tom bought 4 boxes of candy. Later he bought 2 more boxes. How many boxes did he have total?
- 4) For a potluck lunch Katie brought 6 bottles of soda. If everyone only drank 2 of the sodas, how many did she have to take back home?
- 5) Victor played 8 games of basketball with his friends. If Victor scored 2 points each game, how many points did he score total?
- 6) While playing basketball Team A scored 35 points. If each person scored 7 points, how many people were playing?
- 7) A pet store had 4 cages of snakes with 9 snakes in each cage. How many snakes did the pet store have total?
- 8) Ned bought 17 books at the book fair. If he gave 8 of them to his brother, how many books did he have left?
- 9) Edward was drawing super heroes on a sheet of scrap paper. He drew 4 heroes on the front and 8 heroes on the back. How many heroes did he draw total?
- 10) The mailman delivered 11 pieces of mail to a house. If 8 of the pieces were junkmail, how many pieces were actually good?
- 11) Oliver is helping to put away books. If he has 12 books to put away and each shelf can hold 2 books how many shelves will he need?
- 12) Adam has to sell 18 chocolate bars to get a prize. If each box contains 3 chocolate bars, how many boxes does he need to sell?
- 13) Tiffany was placing her spare change into stacks. One stack had 4 coins and the other had 8. How many coins did she have total?
- 14) Paul was helping his mom wash clothes. They washed 4 short sleeve shirts and 4 long sleeve shirts. How many shirts did they wash total?
- 15) Isabel was helping her mom pick apples from the tree in their front yard. Together they picked 10 total. If 4 of the apples weren't ripe yet, how many good apples did they pick?

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

**Solve each problem.****Answers**

- 1) A developer was buying land. He bought 4 acres at \$1,863 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?
- 2) Sarah's mother had 17 small photo albums filled with 72 photos in each. In order to save some space she bought 9 larger albums with each album having 40 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
- 3) A contractor bought 44 boxes of nails at a price of \$1 per box. Each box contained contained 56 nails. If he distributed the nails to the 4 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 4) An industrial machine made 9,096 cans of diet sodas and 5 times as many regular sodas over the course of 53 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
- 5) A donation center had filled up 44 small bins with canned food with each bin containing 24 cans. They plan to send the cans out to 4 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?
- 6) While playing a game Nancy defeated 5 enemies with each enemy defeated earning her 3,012 points. If she traded in all her points for 3 extra lives, how many points is it per life?
- 7) Mike and Olivia were comparing their Halloween candy. Mike received 4 times as much candy as Olivia received. Mike then split his candy evenly into 3 piles to eat later. If Olivia received 75 ounces of candy, how many ounces of candy would be in each of Mike's piles?
- 8) At the flea market Jerry found 7 buckets of LEGOs with each bucket containing 9,792 LEGO pieces. If he wanted to split the LEGO pieces into 6 piles, how many pieces should he put into each pile?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



Determine which choice best continues the pattern.

- 1) Determine which numbers best complete the pattern below.

94	85	76	67	58	?	?
----	----	----	----	----	---	---

- A. 47, 42
 B. 40, 31
 C. 49, 40
 D. 49, 58

- 3) Determine which numbers best complete the pattern below.

26	30	34	38	42	?	?
----	----	----	----	----	---	---

- A. 44, 48
 B. 50, 54
 C. 46, 50
 D. 38, 34

- 5) Determine which numbers best complete the pattern below.

49	44	39	34	29	?	?
----	----	----	----	----	---	---

- A. 25, 17
 B. 19, 14
 C. 24, 29
 D. 24, 19

- 7) Determine which numbers best complete the pattern below.

64	61	58	55	52	?	?
----	----	----	----	----	---	---

- A. 49, 52
 B. 50, 48
 C. 49, 46
 D. 46, 43

- 9) Determine which numbers best complete the pattern below.

33	41	49	57	65	?	?
----	----	----	----	----	---	---

- A. 74, 80
 B. 73, 81
 C. 57, 49
 D. 81, 89

- 2) Determine which numbers best complete the pattern below.

86	77	68	59	50	?	?
----	----	----	----	----	---	---

- A. 41, 50
 B. 41, 32
 C. 32, 23
 D. 39, 30

- 4) Determine which numbers best complete the pattern below.

41	51	61	71	81	?	?
----	----	----	----	----	---	---

- A. 71, 61
 B. 101, 111
 C. 91, 101
 D. 92, 103

- 6) Determine which numbers best complete the pattern below.

18	25	32	39	46	?	?
----	----	----	----	----	---	---

- A. 54, 62
 B. 39, 32
 C. 60, 67
 D. 53, 60

- 8) Determine which numbers best complete the pattern below.

108	99	90	81	72	?	?
-----	----	----	----	----	---	---

- A. 61, 55
 B. 63, 72
 C. 54, 45
 D. 63, 54

- 10) Determine which numbers best complete the pattern below.

25	30	35	40	45	?	?
----	----	----	----	----	---	---

- A. 50, 55
 B. 49, 54
 C. 40, 35
 D. 55, 60

Answers

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____



Create a pattern then find the number in the pattern.

Answers

Ex) Start at 46 and create a pattern with the rule add 3.

46 49 52 55 58 61

What is the fifth number in the pattern?

Ex. 58

1) Start at 25 and create a pattern with the rule add 9.

What is the fourth number in the pattern?

1. _____

2) Start at 47 and create a pattern with the rule add 6.

What is the fourth number in the pattern?

2. _____

3) Start at 13 and create a pattern with the rule add 3.

What is the fourth number in the pattern?

3. _____

4) Start at 14 and create a pattern with the rule add 2.

What is the sixth number in the pattern?

4. _____

5) Start at 13 and create a pattern with the rule add 10.

What is the third number in the pattern?

5. _____

6) Start at 81 and create a pattern with the rule subtract 6.

What is the sixth number in the pattern?

6. _____

7) Start at 12 and create a pattern with the rule add 9.

What is the sixth number in the pattern?

7. _____

8) Start at 24 and create a pattern with the rule subtract 3.

What is the sixth number in the pattern?

8. _____

9) Start at 75 and create a pattern with the rule subtract 9.

What is the sixth number in the pattern?

9. _____

10) Start at 61 and create a pattern with the rule subtract 6.

What is the sixth number in the pattern?

10. _____



Solve each problem.

$$\begin{array}{r} 1) \quad 79 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 88 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 48 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 34 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 35 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 56 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 78 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 64 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 25 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 94 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 85 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 11 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 58 \\ \times 40 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 34 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 73 \\ \times 60 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 56 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 56 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 16 \\ \times 80 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____



Solve each problem.

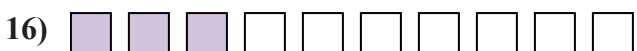
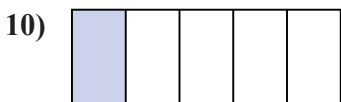
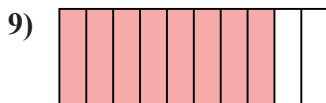
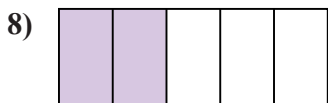
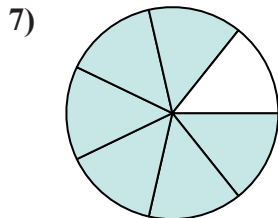
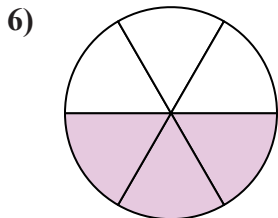
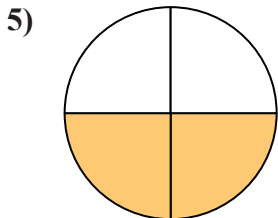
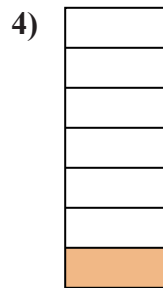
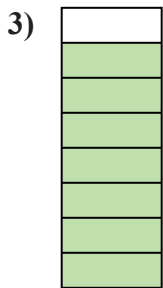
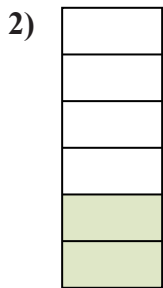
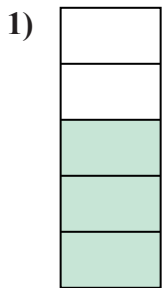
Answers

- 1) A pet store sold 74 puppies in one week. If each of the puppies cost 65 dollars, how much money would they have made?
- 2) A bouquet of flowers had 92 daisies in it. If a florist had 57 bouquets, how many daisies did they have total?
- 3) Carol has 31 albums of photos uploaded to facebook. If each album has 51 pics in it, how many pics does she have total?
- 4) There are 29 teams in the state trivia tournament. If each team has 24 players, how many players are there total?
- 5) Robin had 55 shelves of DVDs. If each shelf had 28 movies on it, how many movies did she have total?
- 6) A delivery driver made exactly 62 stops each day. After 21 days, how many stops would he have made total?
- 7) A toy store sold 73 video games in one day. If each game cost 88 dollars, how much money did they make?
- 8) Zoe was practicing drawing super heroes. Each day she drew 72 pictures. How many pictures would she have drawn after 16 days?
- 9) Victor's mother had 28 photo albums with 44 pictures in each album. How many pictures did his mother have total?
- 10) Vanessa was making necklaces for her friends. She had 85 friends who wanted a necklace and each necklace took 25 beads. How many bead would she need total?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Determine if the shaded amount is 'more', 'less' or 'equal' to half.



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Shade in the fraction to solve the problem.

Answers

Ex)



Ex. $\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$

1)



1. _____ + _____ = _____

2)



2. _____ + _____ = _____

3)



3. _____ + _____ = _____

4)



4. _____ + _____ = _____

5)



5. _____ + _____ = _____

6)



6. _____ + _____ = _____

7)



7. _____ + _____ = _____

8)



8. _____ + _____ = _____

9)



9. _____ + _____ = _____

10)



10. _____ + _____ = _____



Use the visual model to solve each problem.

$1 \frac{3}{5} + 2 \frac{4}{5} = ?$



To solve a fraction addition problem one strategy is to shade in the whole amounts first (1 & 2).



Next fill in the fraction amounts ($\frac{3}{5}$ & $\frac{4}{5}$).



When all of the pieces are filled in we can see that $1 \frac{3}{5} + 2 \frac{4}{5} = 4 \frac{2}{5}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1) $3 \frac{9}{10} + 1 \frac{2}{10} =$

2) $2 \frac{4}{5} + 2 \frac{1}{5} =$

3) $2 \frac{9}{10} + 2 \frac{1}{10} =$

4) $2 \frac{2}{3} + 3 \frac{1}{3} =$

5) $2 \frac{9}{12} + 3 \frac{4}{12} =$

6) $2 \frac{7}{10} + 2 \frac{5}{10} =$

7) $3 \frac{2}{4} + 2 \frac{1}{4} =$

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

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

10) $1 \frac{2}{4} + 2 \frac{2}{4} =$

11) $2 \frac{2}{5} + 1 \frac{2}{5} =$

12) $3 \frac{1}{12} + 2 \frac{10}{12} =$



Solve each problem. Write your answer as an improper fraction.

Answers

- 1) Robin bought a bamboo plant that was $9\frac{4}{5}$ feet high. After a month it had grown another $3\frac{1}{5}$ feet. What was the total height of the plant after a month?
- 2) While exercising Adam jogged $4\frac{4}{5}$ kilometers and walked $2\frac{3}{5}$ kilometers. What is the total distance he traveled?
- 3) On Monday Tiffany spent $5\frac{2}{8}$ hours studying. On Tuesday she spent another $2\frac{1}{8}$ hours studying. What is the combined length of time she spent studying?
- 4) A chef bought $6\frac{5}{9}$ pounds of carrots. If he later bought another $10\frac{7}{9}$ pounds of carrots, what is the total weight of carrots he bought?
- 5) In December it snowed $9\frac{1}{10}$ inches. In January it snowed $5\frac{2}{10}$ inches. What is the combined amount of snow for December and January?
- 6) Gwen had $7\frac{1}{7}$ cups of flour. If she used $3\frac{5}{7}$ cups baking, how much flour did she have left?
- 7) A chef had $3\frac{2}{4}$ pounds of carrots. If he later used $2\frac{3}{4}$ pounds in a recipe, how many pounds of carrots does he have left?
- 8) A large box of nails weighed $3\frac{1}{8}$ ounces. A small box of nails weighed $2\frac{4}{8}$ ounces. What is the difference in weight between the two boxes?
- 9) For Halloween, Maria received $10\frac{3}{6}$ pounds of candy. After a week her family had eaten $5\frac{2}{6}$ pounds. How many pounds of candy does she have left?
- 10) While exercising Victor travelled $5\frac{3}{4}$ kilometers. If he walked $4\frac{2}{4}$ kilometers and jogged the rest, how many kilometers did he jog?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

**Solve the problems.**

- 1) A piece of plywood was cut so its length was 8 feet by 4 feet. What is the area of the wood?

- 2) A book had a length of 5 inches and a width of 10 inches. What is the area of the book?

- 3) A rectangle swimming pool was 9 meters wide with a surface area of 90 square meters. What is the length of the pool?

- 4) An envelope from the post office is 3 inches wide with a total area of 30 square inches. What is the height of the envelope?

- 5) A book had a length of 5 inches and a width of 8 inches. What is the perimeter of the book?

- 6) Wendy bought some wrapping paper for Christmas that was 5 feet long and 2 feet wide. What is the area of the wrapping paper she bought?

- 7) Rachel was cutting out some fabric for a friend. She cut a piece that was 5 centimeters wide and had an area of 20 cm^2 . How long was the piece?

- 8) Faye bought some wrapping paper for Christmas that was 8 feet long and 8 feet wide. What is the perimeter of the wrapping paper she bought?

- 9) A rug had a length of 2 feet and a total area of 10 ft^2 . What is the width of the rug?

- 10) An envelope from the post office is 6 inches wide and 8 inches long. What is the perimeter of the envelope?

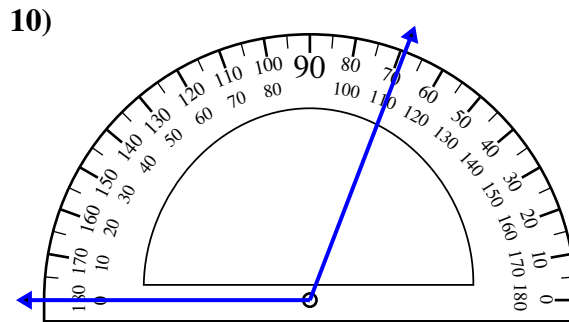
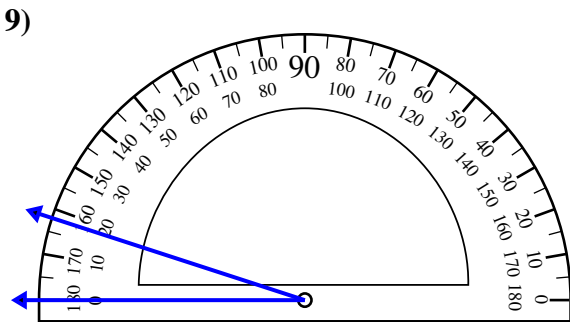
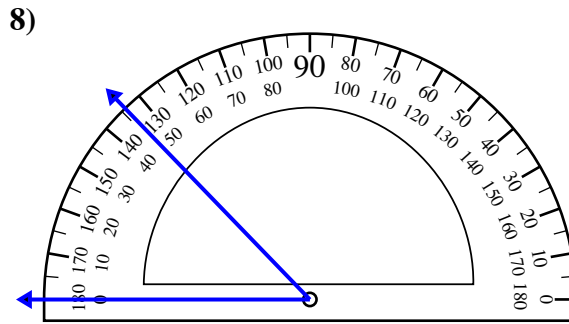
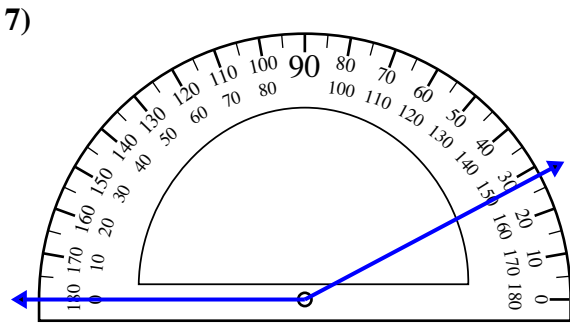
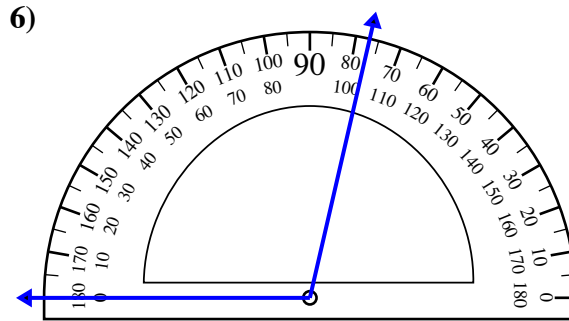
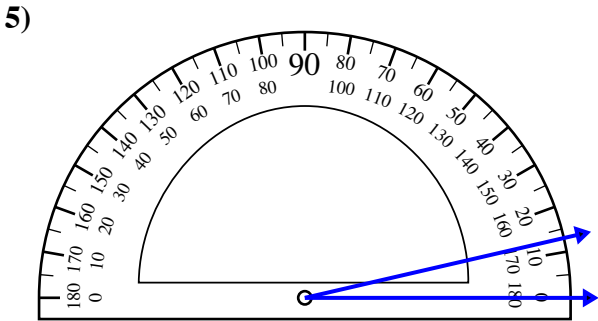
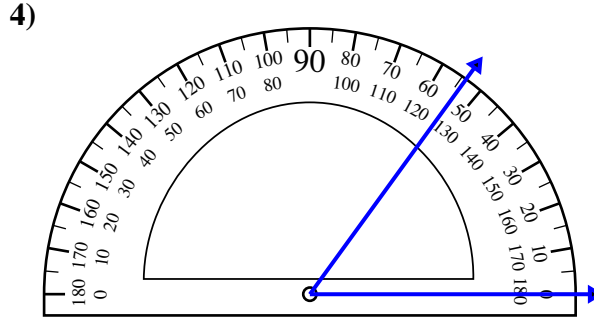
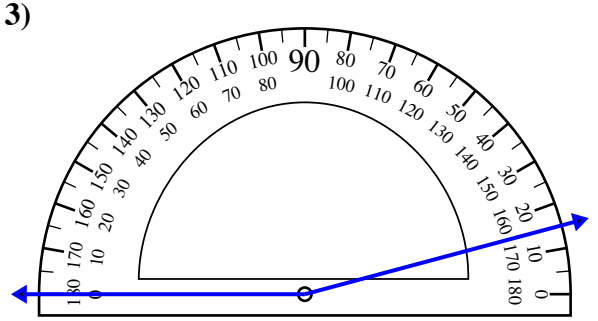
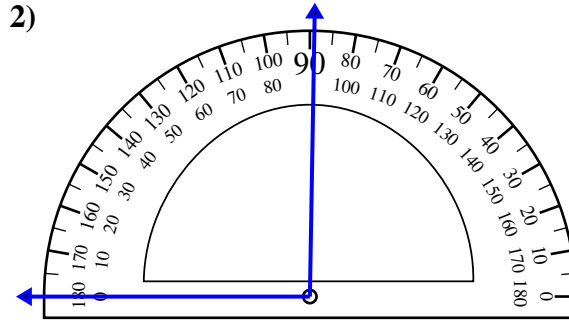
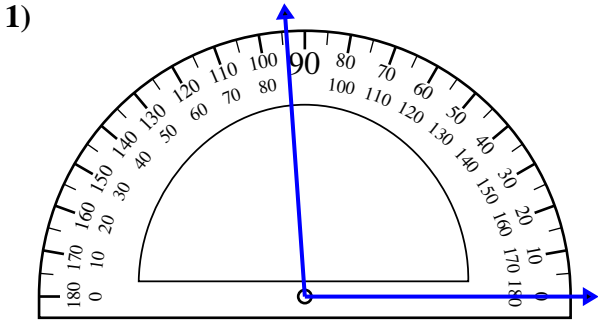
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Use the protractor to determine each angle.

Answers



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Determine which letter best represents the volume.

Answers

Cup

A cup is about the amount of milk you get from the cafeteria.



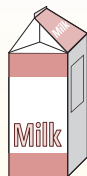
Pint

A pint is about the amount you get in a large glass.
1 pint = 2 cups



Quart

A quart is about the amount you get in a large milk container.
1 quart = 2 pints

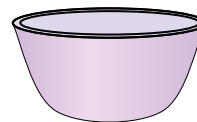


Gallon

A gallon is the amount that comes in the large plastic container.
1 gallon = 4 quarts



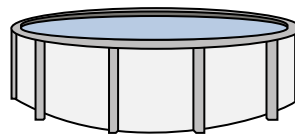
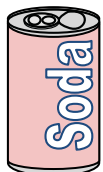
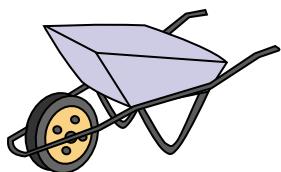
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____



- 1) Liquid a spoon holds
- A. Less than a cup
 - B. 1 Cup
 - C. 1 Quart
 - D. 1 Pint

- 2) Ink in a pen
- A. 2 Pints
 - B. 1 Quart
 - C. Less than a Cup
 - D. 1 Gallon

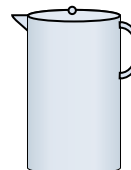
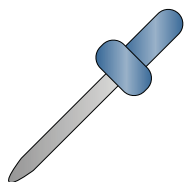
- 3) Cereal Bowl
- A. 4 Pints
 - B. 1 Pint
 - C. 2 Gallons
 - D. 0.5 Gallon



- 4) Sand a wheel barrow holds
- A. 8 Quarts
 - B. 1,000 Grams
 - C. 4 Cups
 - D. 45 Gallons

- 5) Soda in a can
- A. 4 Pints
 - B. 4 Cups
 - C. 1 Gallon
 - D. 1.5 Cups

- 6) Water in a pool
- A. 3,000 Gallons
 - B. 25 Cups
 - C. 5,000 Feet
 - D. 20 Gallons



- 7) Eyedropper holds
- A. 3 Gallons
 - B. 1 Pint
 - C. 1 Cup
 - D. Less than 1 Cup

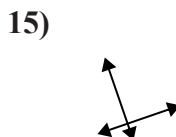
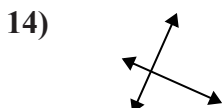
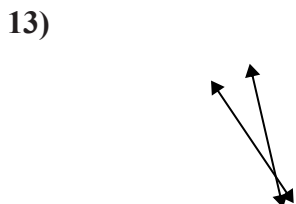
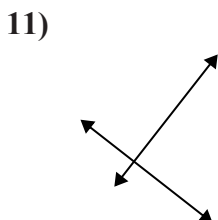
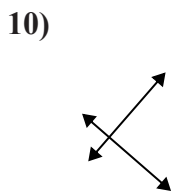
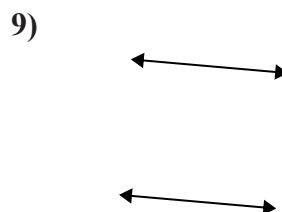
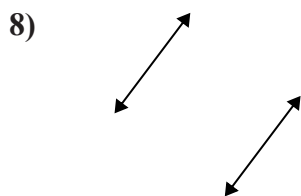
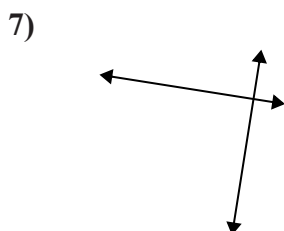
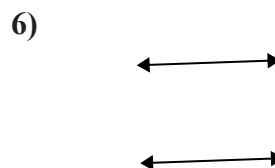
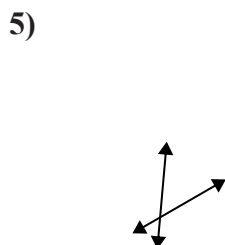
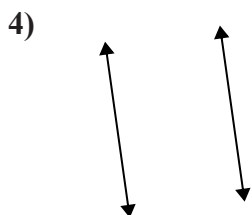
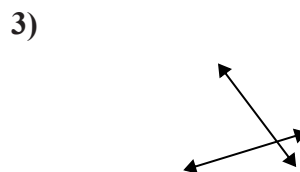
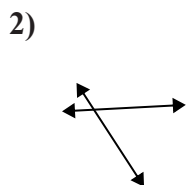
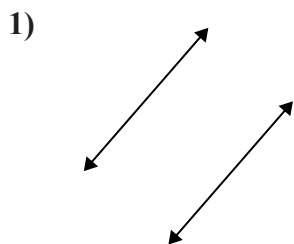
- 8) Liquid in a tea cup
- A. 1 Cup
 - B. 1 Quart
 - C. 1 Pint
 - D. 1 Gallon

- 9) Liquid in a pitcher
- A. 8 Gallons
 - B. 2 Quarts
 - C. 1 Pint
 - D. 2 Cups



Use 'parallel', 'perp'(perpendicular) or 'inter'(intersecting) to describe the lines.

Answers

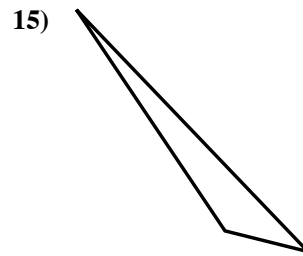
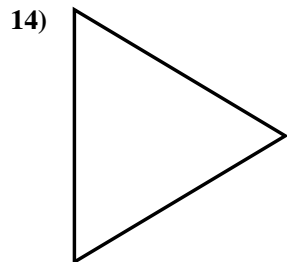
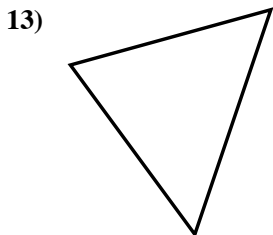
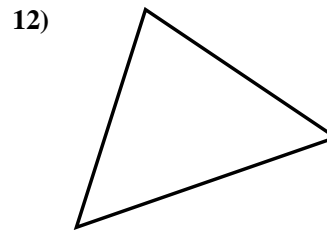
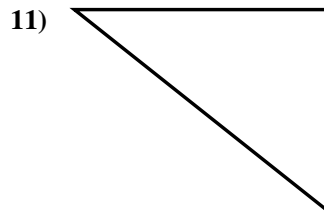
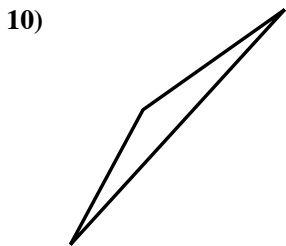
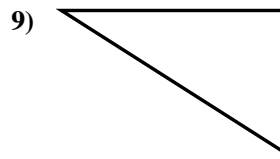
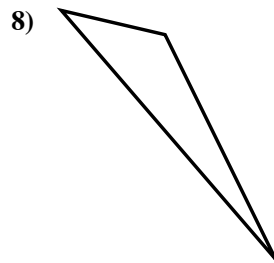
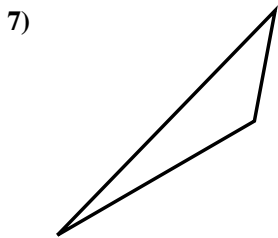
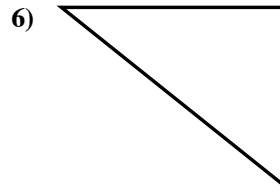
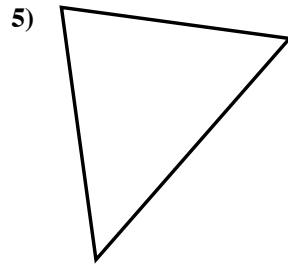
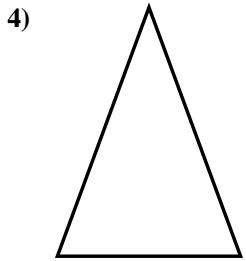
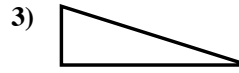
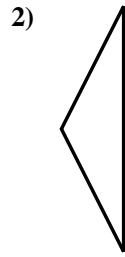
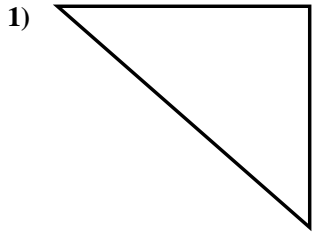


1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



Determine if the triangle shown is a right triangle (yes) or not (no).

Answers



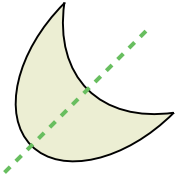
- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____



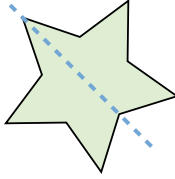
Determine if the line through each figure is a line of symmetry.

Answers

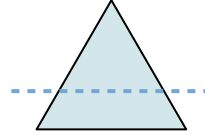
Ex)



1)



2)



Ex. yes

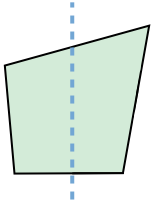
1. _____

2. _____

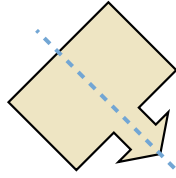
3. _____

4. _____

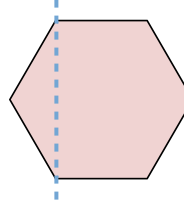
3)



4)



5)



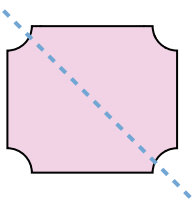
5. _____

6. _____

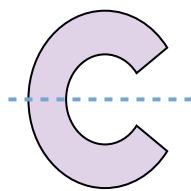
7. _____

8. _____

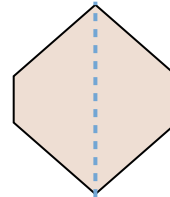
6)



7)



8)

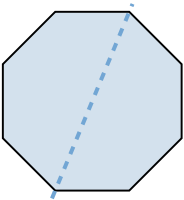


9. _____

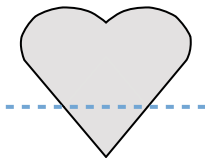
10. _____

11. _____

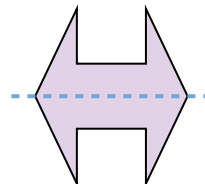
9)



10)



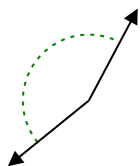
11)



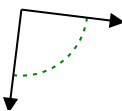


Determine if the angle shown is acute, obtuse, right or straight.

Ex)



1)



2)



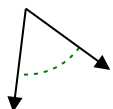
Answers

Ex. obtuse

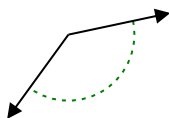
1. _____

2. _____

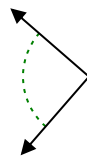
3)



4)



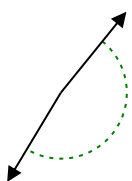
5)



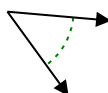
3. _____

4. _____

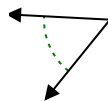
6)



7)



8)

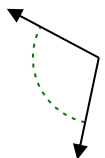


5. _____

6. _____

7. _____

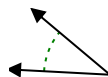
9)



10)



11)

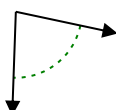


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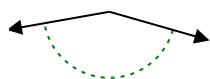
9. _____

10. _____

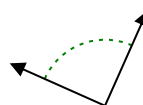
12)



13)



14)

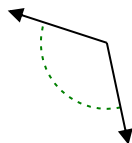


11. _____

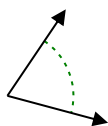
12. _____

13. _____

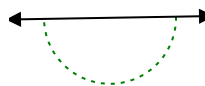
15)



16)



17)

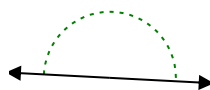


14. _____

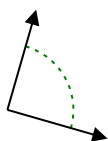
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16. _____

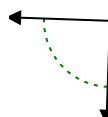
18)



19)



20)



17. _____

18. _____

19. _____

20. _____