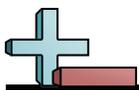


Rewrite each number sentence using numerals and symbols.

Answers

- 1) Find 8 less than the sum of 3 and 9
- 2) Subtract 4 from 8 and then add 9
- 3) Find take 4 from 19 and then take the difference from 26
- 4) Subtract 19 from 26 and then subtract 5
- 5) Divide the product of 6 and 2 by 7
- 6) Find 6 times as many as, 2 plus 9
- 7) Take the quotient of 5 divided by 4 from 4
- 8) Subtract 5 from the quotient of 2 divided by 4
- 9) 89 divided by the difference between 11 and 4
- 10) Find 7 times as much as 5 less than 6
- 11) Add 9 and 6 and then add 7
- 12) Divide 5 by the quotient of 7 divided by 6
- 13) Divide the quotient of 6 divided by 2, by 4
- 14) Find a number that is 9 more than, 8 divided by 4
- 15) Find the product of 4 and 8 and then take that from 8
- 16) 9 divided by the product of 8 and 2
- 17) Add 7 and 9 and then divide 2 by the sum
- 18) Find the sum of 3 and 5 and then divide 2
- 19) Multiply 9 by the quotient of 3 divided by 4
- 20) Find the product of 2 and 8 and then multiply by 6

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
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11. _____
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16. _____
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19. _____
20. _____

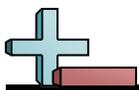


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- 14) Find a number that is 9 more than, 8 divided by 4
- 15) Find the product of 4 and 8 and then take that from 8
- 16) 9 divided by the product of 8 and 2
- 17) Add 7 and 9 and then divide 2 by the sum
- 18) Find the sum of 3 and 5 and then divide 2
- 19) Multiply 9 by the quotient of 3 divided by 4
- 20) Find the product of 2 and 8 and then multiply by 6

Answers

1. $(3 + 9) - 8$
2. $9 + (8 - 4)$
3. $26 - (19 - 4)$
4. $(26 - 19) - 5$
5. $(6 \times 2) \div 7$
6. $(2 + 9) \times 6$
7. $4 - (5 \div 4)$
8. $(2 \div 4) - 5$
9. $89 \div (11 - 4)$
10. $7 \times (6 - 5)$
11. $(9 + 6) + 7$
12. $5 \div (7 \div 6)$
13. $(6 \div 2) \div 4$
14. $(8 \div 4) + 9$
15. $8 - (4 \times 8)$
16. $9 \div (8 \times 2)$
17. $2 \div (7 + 9)$
18. $(3 + 5) \div 2$
19. $9 \times (3 \div 4)$
20. $6 \times (2 \times 8)$



Find the rule the pattern is using.

Ex) 3, 6, 12, 24 Rule = Multiply 2

1) 1024, 256, 64, 16, 4 Rule = _____

2) 38, 31, 24, 17, 10 Rule = _____

3) 135, 45, 15, 5 Rule = _____

4) 18, 15, 12, 9, 6 Rule = _____

5) 7, 14, 28, 56 Rule = _____

6) 7, 14, 28, 56, 112 Rule = _____

7) 256, 64, 16, 4 Rule = _____

8) 21, 18, 15, 12, 9, 6, 3 Rule = _____

9) 22, 17, 12, 7, 2 Rule = _____

10) 2, 6, 18, 54 Rule = _____

11) 5, 13, 21, 29, 37 Rule = _____

12) 6, 9, 12, 15, 18, 21, 24, 27 Rule = _____

13) 4, 9, 14, 19, 24, 29, 34 Rule = _____

14) 6, 11, 16, 21, 26, 31, 36, 41 Rule = _____

15) 2304, 576, 144, 36, 9 Rule = _____

Answers

Ex. Multiply 2

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

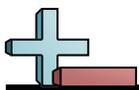


Find the rule the pattern is using.

- Ex) 3, 6, 12, 24 Rule = Multiply 2
- 1) 1024, 256, 64, 16, 4 Rule = Divide 4
- 2) 38, 31, 24, 17, 10 Rule = Subtract 7
- 3) 135, 45, 15, 5 Rule = Divide 3
- 4) 18, 15, 12, 9, 6 Rule = Subtract 3
- 5) 7, 14, 28, 56 Rule = Multiply 2
- 6) 7, 14, 28, 56, 112 Rule = Multiply 2
- 7) 256, 64, 16, 4 Rule = Divide 4
- 8) 21, 18, 15, 12, 9, 6, 3 Rule = Subtract 3
- 9) 22, 17, 12, 7, 2 Rule = Subtract 5
- 10) 2, 6, 18, 54 Rule = Multiply 3
- 11) 5, 13, 21, 29, 37 Rule = Add 8
- 12) 6, 9, 12, 15, 18, 21, 24, 27 Rule = Add 3
- 13) 4, 9, 14, 19, 24, 29, 34 Rule = Add 5
- 14) 6, 11, 16, 21, 26, 31, 36, 41 Rule = Add 5
- 15) 2304, 576, 144, 36, 9 Rule = Divide 4

Answers

- Ex. Multiply 2
1. Divide 4
2. Subtract 7
3. Divide 3
4. Subtract 3
5. Multiply 2
6. Multiply 2
7. Divide 4
8. Subtract 3
9. Subtract 5
10. Multiply 3
11. Add 8
12. Add 3
13. Add 5
14. Add 5
15. Divide 4



Use the patterns to answer the questions.

1) Pattern A	8	11	14	17	20
Pattern B	4	7	10	13	16

The patterns above are synchronized. If the number in pattern A is 192, what will be the number in pattern B?

2) Pattern A	2	3	4	5	6
Pattern B	16	24	32	40	48

The patterns above are synchronized. If the number in pattern A is 20, what will be the number in pattern B?

3) In a pattern the first number is a 5. The second number is a 10. The third is a 15. Fourth is a 20. If the pattern continues will the 20th number end in a 5 or a 0?

4) In a pattern the first number is a 10. The second number is a 20. The third is a 30. Fourth is a 40. If the pattern continues what will be the 24th number in the pattern?

5) A pattern starts with 3. The second number is a 11. The third is a 19. Fourth is a 27 and fifth is 35. If you double the 23rd number in the pattern, will the result be even or odd?

6) A pattern starts with 5. The second number is a 10. The third is a 15. Fourth is a 20 and fifth is 25. If the pattern continues will the 13th number in the pattern be even or odd?

7) A pattern starts with 2. The second number is a 4. The third is a 6. Fourth is a 8 and fifth is 10. If the pattern continues will the 10th number in the pattern be even or odd?

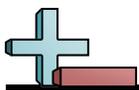
8) A pattern starts with 8. The second number is a 16. The third is a 24. Fourth is a 32 and fifth is 40. If the pattern continues will the 19th number in the pattern be even or odd?

9) A pattern starts with 3. The second number is a 6. The third is a 9. Fourth is a 12 and fifth is 15. If the pattern continues will the 19th number in the pattern be even or odd?

10) A pattern starts with 3. The second number is a 6. The third is a 9. Fourth is a 12 and fifth is 15. If the pattern continues will the 12th number in the pattern be even or odd?

Answers

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



Use the patterns to answer the questions.

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Answers1. 1882. 1603. 04. 2405. even6. odd7. even8. even9. odd10. even