Multiples worksheets grade 4 pdf

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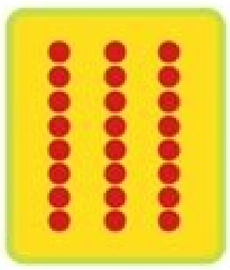
Multiples and Factors

You need ☑ 2 dice (one labelled 1–6, the other labelled 4–9)
☑ transparent counters in 2 colours ☑ a classmate

Activity One

To play the Multiples and Factors game, you need to know what multiples and factors are.

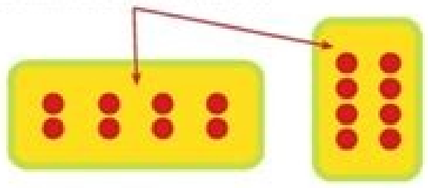
Multiples are groups of a number. When you divide any of the multiples by the number, there is no remainder.



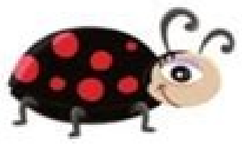
For example, counting in groups of 8 gives you these multiples: 8, 16, 24, 32, and so on. If you divide a multiple of 8 by 8, there is no remainder. For example, 24 ÷ 8 = 3.

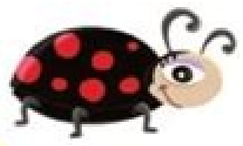
Factors: A factor is a number that is multiplied by another number to create a product. If you divide a product by one of its factors, there will be no remainder.

For example, 2 x 4 = 8 and 4 x 2 = 8, so 2 and 4 are both factors of 8.



1. List some multiples of 7.
2. There are 8 factors of 24. List them.





Name : _____ Score : _____

Multiple Choice

Sheet 1

1) What will be the new position of the given point (3, –5) after reflection across the y-axis?

a) (3, 5) b) (–3, –5) c) (–3, 5) d) (3, –5)

2) What will be the new position of the given point (–6, 8) after rotating 90° clockwise about the origin?

a) (6, 8) b) (6, –8) c) (8, –6) d) (8, 6)

3) What will be the new position of the given point (7, 4) after translation of 2 units left and 4 units up?

a) (5, 8) b) (9, –8) c) (5, –8) d) (9, 8)

4) What will be the new position of the given point (–2, –3) after reflection across the x-axis?

a) (2, 3) b) (–3, –2) c) (–2, 3) d) (3, –2)

5) What will be the new position of the given point (1, –9) after rotating 90° counterclockwise about the origin?

a) (9, –1) b) (–9, 1) c) (–9, –1) d) (9, 1)

6) What will be the new position of the given point (0, 6) after translation of 6 units down and 3 units right?

a) (6, 3) b) (3, 0) c) (–6, 3) d) (–3, 0)

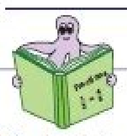
7) What will be the new position of the given point (9, –4) after reflection across the line x = 1?

a) (7, 4) b) (7, –4) c) (–7, –4) d) (–7, 4)

8) What will be the new position of the given point (–8, –2) after rotating 180° about the origin?

a) (8, 2) b) (2, 8) c) (8, –2) d) (–2, –8)

Name : _____ Score : _____



Missing Numbers

ES1

Fill in the missing numbers.

1) $\frac{3}{4} = \frac{\quad}{8}$

2) $\frac{5}{\quad} = \frac{20}{12}$

3) $\frac{11}{2} = \frac{33}{\quad}$

4) $\frac{35}{25} = \frac{\quad}{5}$

5) $\frac{\quad}{14} = \frac{16}{28}$

6) $\frac{6}{\quad} = \frac{24}{36}$

7) $\frac{\quad}{15} = \frac{8}{3}$

8) $\frac{10}{3} = \frac{\quad}{9}$

9) $\frac{12}{16} = \frac{\quad}{8}$

10) $\frac{4}{7} = \frac{16}{\quad}$

11) $\frac{1}{\quad} = \frac{5}{50}$

12) $\frac{\quad}{27} = \frac{7}{9}$

13) $\frac{39}{12} = \frac{13}{\quad}$

14) $\frac{9}{2} = \frac{\quad}{10}$

15) $\frac{\quad}{6} = \frac{12}{24}$

16) $\frac{4}{\quad} = \frac{8}{18}$

LEAST COMMON MULTIPLE SHEET 14

For each problem below, write out the lists of factors to find the LCM.

Remember - you only need to write out as many multiples as the other number.

Example: Find the least common multiple of 10 and 4

Multiples of 10: 10, 20, 30, 40, ... Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, ...

The common multiples of 10 and 4 are 20, 40, ...

The least common multiple (the smallest number occurring in both lists) is 20.

1) Find the least common multiple of 6 and 5.

Multiples of 6: _____ Multiples of 5: _____

Least common multiple is _____

2) Find the least common multiple of 5 and 3.

Multiples of 5: _____ Multiples of 3: _____

Least common multiple is _____

3) Find the least common multiple of 7 and 2.

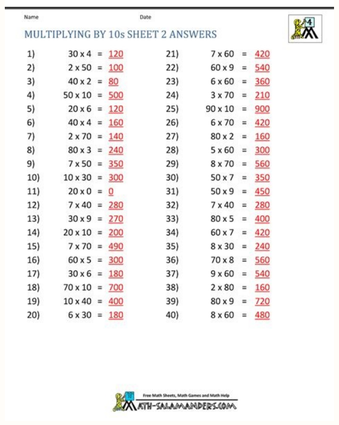
Multiples of 7: _____ Multiples of 2: _____

Least common multiple is _____

4) Find the least common multiple of 8 and 4.

Multiples of 8: _____ Multiples of 4: _____

Least common multiple is _____



Name _____ Date _____

MULTIPLYING BY 10s SHEET 2 ANSWERS

1)	30 x 4	=	120	21)	7 x 60	=	420
2)	2 x 50	=	100	22)	60 x 9	=	540
3)	40 x 2	=	80	23)	6 x 60	=	360
4)	50 x 10	=	500	24)	3 x 70	=	210
5)	20 x 6	=	120	25)	90 x 10	=	900
6)	40 x 4	=	160	26)	6 x 70	=	420
7)	2 x 70	=	140	27)	80 x 2	=	160
8)	80 x 3	=	240	28)	5 x 60	=	300
9)	7 x 50	=	350	29)	8 x 70	=	560
10)	10 x 30	=	300	30)	50 x 7	=	350
11)	20 x 0	=	0	31)	50 x 9	=	450
12)	7 x 40	=	280	32)	7 x 40	=	280
13)	30 x 9	=	270	33)	80 x 5	=	400
14)	20 x 10	=	200	34)	60 x 7	=	420
15)	7 x 70	=	490	35)	8 x 30	=	240
16)	60 x 5	=	300	36)	70 x 8	=	560
17)	30 x 6	=	180	37)	9 x 60	=	540
18)	70 x 10	=	700	38)	2 x 80	=	160
19)	10 x 40	=	400	39)	80 x 9	=	720
20)	6 x 30	=	180	40)	8 x 60	=	480

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On this printable, students will list multiples of numbers. Then there are two short answer questions.4th and 5th GradesPlace the numbers in the correct place on the Venn diagrams. (For example: There's a Venn diagram with "Multiples of 3" and "Multiples of 2." Students place the given numbers in the correct place on the Venn.)4th through 6th Grades In 4th grade factors and multiples worksheet we will find the factors of a number by using multiplication method, find the even and odd numbers, find the prime numbers and composite numbers, find the prime factors, find the common factors, find the HCF (highest common factors, find the hcf by short division method, find the hcf by long division method, find the multiples, find the common multiples, find the least common multiple, find the lcm by division method, word problems on lcm and hcf. I. Find the missing digits:(i) The number 4___0 is divisible by 3.(ii) The number 389___ is divisible by 2.(iii) The number 5___4 is divisible by 4.(iv) The number 83___ is divisible by 9.(v) The number 428___ is divisible by 10.II. Show the factors and common factors of 12 and 32 on the given Venn diagram. III. Choose the right answer:(i) Eggs are packed in boxes of 6. Which of the following number of eggs would fill complete boxes?(a) 7(b) 14(c) 12(d) 28(e) 24(f) 25(ii) There are 7 days in a week. Which of the following numbers of days form complete weeks?(a) 12(b) 14(c) 17(d) 23(e) 2442IV. Which is the smallest 2 digit number having exactly four factors?V. Give first 3 multiples of the given number.(i) 7(ii) 15(iii) 9(iv) 24(v) 12(vi) 18VI. Give all the factors of the given number.(i) 17(ii) 50(iii) 24(iv) 27(v) 36(vi) 28VII. Find the LCM of the given numbers.(i) 8 and 12(ii) 9 and 15(iii) 5 and 10(iv) 6 and 7VIII. Express the given numbers as the product of prime numbers.(i) 12(ii) 27(iii) 18(iv) 32(v) 72(vi) 36IX. Circle the prime numbers in the given list.18 27 23 4 2 15 13 19 15 21 33 31X. Cross the odd numbers in the given box. XI. Find the HCF of the given numbers.(i) 10, 16(ii) 60, 20(iii) 27, 30(iv) 60, 100(v) 35, 49(vi) 24, 56XII. Fill in the blanks:(i) The smallest prime number is .....(ii) The numbers which have more than 2 factors are called ..... numbers.(iii) The thirds multiple of 7 is .....(iv) The HCF of 2 prime numbers is .....(v) Number ..... is a factor of every number.Answers:I. (i) 2(ii) 2(iii) 2(iv) 7(v) 0II. III. (i) (e) 24(ii) (b) 14IV. 14V. (i) 7, 14, 21(ii) 15, 30, 45(iii) 9, 18, 27(iv) 24, 48, 72(v) 12, 24, 36(vi) 18, 36, 54VI. (i) 1, 17(ii) 1, 2, 5, 10, 25, 50(iii) 1, 2, 3, 4, 6, 8, 12, 24(iv) 1, 3, 9, 27(v) 1, 2, 3, 4, 6, 9, 12, 18, 36(vi) 1, 2, 4, 7, 14, 28VII. (i) 24(ii) 45(iii) 10(iv) 42VIII. (i) $2 \times 2 \times 3$(ii) $3 \times 3 \times 3$(iii) $2 \times 3 \times 3$(iv) $2 \times 2 \times 2 \times 2 \times 2$(v) $2 \times 2 \times 2 \times 3 \times 3$(vi) $2 \times 2 \times 3 \times 3$IX. 23, 2, 13, 19, 31X. 13, 67, 11, 29, 57, 35, 19, 121, 467, 703, 819XI. (i) 2(ii) 20(iii) 3(iv) 20(v) 7(vi) 8XII. (i) 2(ii) composite(iii) 21(iv) prime(v) 1 4th Grade Math Activities4th Grade Math WorksheetsFrom 4th Grade Factors and Multiples Worksheet to HOME PAGE Didn't find what you were looking for? Or want to know more information about Math Only Math. Use this Google Search to find what you need. Share this page: What's this? WELCOME TO THE WORLD OF MATHEMATICS 1. Two numbers which have no other common factor except 1 are known as _____. a) Prime Numbers b) Co-prime Numbers c) Composite Numbers d) None of these 2. What is the only even prime number? a) 0 b) 1 c) 2 d) 3 3. What is the smallest prime number? a) 2 b) 3 c) 0 d) 1 4. Which are the co-prime numbers from the below given numbers? a) 4 and 5 b) 2 and 6 c) 7 and 9 d) Both A & C 5. Numbers which have only two factors are known as _____. a) Co-Prime number b) Composite Number c) Prime Number d) None of these 6. What is the smallest prime number greater than 40? a) 39 b) 41 c) 42 d) 43 7. Which one is a prime number? a) 105 b) 123 c) 121 d) None of these 8. Which one is the composite number? a) 129 b) 131 c) 101 d) None of these 9. Smallest Composite number is equal to _____. a) 1 b) 2 c) 3 d) 4 10. All even number are composite numbers. Mark True / False. a) True b) False 11. All prime numbers are odd. Mark True / False. a) True b) False 12. 456 is divisible by 4. Mark True / False. a) True b) False 13. What is the smallest 2-digit prime number? a) 10 b) 13 c) 11 d) 19 14. The smallest 5-digit odd number using 6, 1, 1, 7, and 4 is equal to _____. a) 174671 b) 11467 c) 11674 d) 12467 15. Find all the factors of 72. a) 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 18, 24, 36 & 72 b) 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36 & 72 c) 1, 2, 3, 4, 6, 8, 12, 18, 24, 36 & 72 d) None of these 16. How many numbers between 50 and 100 are multiples 6? a) 10 b) 9 c) 8 d) 7 17. 25 and 82 are coprime numbers. Mark True / False. a) True b) False 18. Write a pair of prime numbers whose sum is divisible by 2. a) 2 and 3 b) 5 and 9 c) 3 and 5 d) All of these 19. The difference between 4th multiple of 6 and 3rd multiple of 5. a) 7 b) 9 c) 11 d) 13 20. Which number has more factors? a) 36 b) 25 c) 50 d) 72 If you want to download the above worksheet, please click below link. Factors-Multiples-2Download the pdf Factors & Multiples Worksheet - 1 Answer sheet Factors-Multiples-AnswerDownload the pdf Copyright © 2022 LetsPlayMaths.com. All Rights Reserved. Email: feedback@letsplaymaths.com 1. Out of the following numbers which number is divisible by 2? a) 98785 b) 85673 c) 88976 d) 91999 2. Which number is divisible by 4? a) 25688 b) 13622 c) 34532 d) Both A & C 3. Which number is divisible by 5? a) 25764 b) 35270 c) 65775 d) Both B & C 4. find out which number is divisible by 3? a) 25764 b) 35270 c) 65774 d) None of these 5. Find out which number is divisible by 9? a) 25688 b) 85673 c) 88974 d) Both A & B 6. Find out which number is divisible by 6? a) 68439 b) 25632 c) 25634 d) 13641 7. Find out which number is divisible by 8? a) 755778 b) 502888 c) 755776 d) Both B & C 8. 1 is a prime number, True or False. a) True b) False 9. 24 is a composite number, True or False. a) True b) False 10. Prime number between 20 to 40, mark which one is correct? a) 21, 23, 29, 31, 37 b) 23, 29, 37 c) 23, 29, 31, 37 d) 23, 27, 29, 31, 37 11. 1 is a unique number, True or False. a) True b) False 12. Which is the factor of 783? a) 28 b) 26 c) 27 d) None of these 13. Find all the factors of 24? a) 1, 2, 5, 8, 12 & 24 b) 1, 2, 3, 4, 8, 12 & 24 c) 1, 2, 3, 4, 6, 8, 12, & 24 d) None of these 14. 17 is factor of 476, True or False. a) True b) False 15. 6 is factor of 10560, True or False. a) True b) False 16. 3 is factor of 79306, True or False. a) True b) False 17. The factors of 16 are 1, 2, 4, 8, 12 and 16. True or False. a) True b) False 18. From the given numbers which are prime numbers. 5, 9, 6, 7, 11, 13, 15, 17, 21, 23 a) 5, 9, 7, 11, 13, 15 b) 5, 7, 11, 13, 15, 17, 23 c) 5, 7, 11, 13, 17, 23 d) None of these 19. 6, 8, 10, 12, and 16 are composite numbers. True or False. a) True b) False 20. From the below Which are multiple of 6. 124, 234, 129, 226, 126 a) 234 & 226 b) 234 & 129 c) 124 & 226 d) 234 & 126 21. What are the multiples of 9 between 20 and 50. a) 27, 18 & 45 b) 27, 45 & 49 c) 21, 27 & 45 d) 27, 36 & 45 22. Write two factors of 36 whose sum is 13. a) 2 & 18 b) 9 & 5 c) 4 & 9 d) None of these 23. Find two prime numbers whose multiplication is 85. a) 5 & 12 b) 5 & 17 c) 1 & 85 d) None of these 24. Write the missing factor of 24. 1, 2, 3, 4, 6, ____, 12, 24 a) 9 b) 7 c) 8 d) None of these 25. Which are the odd numbers from the below series? 12, 26, 23, 42, 65, 72 a) 23 b) 23 & 65 c) 12, 26, 42 & 72 d) None of these 26. Which one is not a prime number from the below numbers? 23, 31, 43, 51, 59 a) 23 b) 43 c) 31 d) 51 27. Which are the even numbers from the below numbers? 21, 23, 45, 52, 65, 67, 92, 105 a) 52 b) 45 & 52 c) 52 & 92 d) 52, 62 & 92 28. A number which is having exactly two factors is known as _____? 21, 23, 45, 52, 65, 67, 92, 105 a) Even Number b) Odd Number c) Composite Number d) Prime Number 29. Number 1 is factor of every number, True or False. a) True b) False If you want to download the above worksheet, please click below link. 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