MATH

Multiples



Name _____ Date _____

🎯 **I can list the multiples of a number.**

1 How it works 💡

A multiple is what you get when you multiply a number by 1, 2, 3 and so on. The multiples of 4 are 4, 8, 12, 16, 20 ... It is the same as skip counting by 4. Multiples go on forever.

Multiples of 4

4 × 1 = 4

4 × 2 = 8

4 × 3 = 12

4, 8, 12, 16, 20 ...

2 Write the first six multiples

Skip count, or multiply by 1, 2, 3, 4, 5, 6.

1. **Multiples of 11:** ☐ ☐ ☐ ☐ ☐ ☐
2. **Multiples of 7:** ☐ ☐ ☐ ☐ ☐ ☐
3. **Multiples of 3:** ☐ ☐ ☐ ☐ ☐ ☐
4. **Multiples of 6:** ☐ ☐ ☐ ☐ ☐ ☐
5. **Multiples of 8:** ☐ ☐ ☐ ☐ ☐ ☐
6. **Multiples of 9:** ☐ ☐ ☐ ☐ ☐ ☐

How did I do? ☆ ☆ ☆

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Spot the multiples

Name _____ Date _____

I can tell if a number is a multiple of another number.

1 Circle the multiples

Circle the multiples of 6	66	68	72	52	26	86	60	29	42	24
Circle the multiples of 3	49	24	15	12	88	36	33	94	68	14
Circle the multiples of 8	89	64	38	35	16	70	24	48	40	83

2 Is it a multiple?

Circle yes or no.

1. Is 34 a multiple of 4? yes no
2. Is 21 a multiple of 3? yes no
3. Is 61 a multiple of 7? yes no
4. Is 56 a multiple of 8? yes no
5. Is 57 a multiple of 6? yes no
6. Is 36 a multiple of 9? yes no

How did I do? ☆ ☆ ☆

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Patterns and common multiples

Name _____ Date _____

I can use multiples to continue patterns and find common multiples.

1 Fill in the missing multiples

1	18	27		45	54		
2	16	24	32		48		
3	24	36				84	96
4	14	21	28			49	

2 Common multiples of 3 and 5

Circle the numbers that are in both lists.

First ten multiples of 3:

First ten multiples of 5:

3 Think about it

1. What is the 7th multiple of 9?
2. Which is a multiple of both 3 and 4: 9, 12 or 16?
3. What is the smallest multiple of 9?
4. Every multiple of 10 is also a multiple of which numbers?

How did I do?

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Word problems

Name _____ Date _____

I can use factors and multiples to solve problems.

1 Read, think, answer

Show your thinking in the box.

1 A bus leaves the station every 8 minutes, starting at 8 minutes past the hour. At what minutes does it leave in the first 40 minutes?

Answer: _____

2 Cupcakes come in boxes of 6. Ali needs 40 cupcakes. Can Ali buy exactly 40? How many boxes are needed?

Answer: _____

3 Mia counts by 7s. Will Mia say the number 56? Will Mia say 60?

Answer: _____

4 I am a multiple of 5. I am also a multiple of 3. I am less than 20. What number am I?

Answer: _____

How did I do?

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FOR TEACHERS AND PARENTS

Answer key: multiples

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1) 11: 11, 22, 33, 44, 55, 66
2) 7: 7, 14, 21, 28, 35, 42
3) 3: 3, 6, 9, 12, 15, 18
4) 6: 6, 12, 18, 24, 30, 36
5) 8: 8, 16, 24, 32, 40, 48
6) 9: 9, 18, 27, 36, 45, 54

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Circle: multiples of 6: 66, 72, 60, 42, 24; multiples of 3: 24, 15, 12, 36, 33; multiples of 8: 64, 16, 24, 48, 40.
Is it a multiple? 1) no; 2) yes; 3) no; 4) yes; 5) no; 6) yes.

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Missing multiples: 1) 36, 63, 72; 2) 40, 56, 64; 3) 48, 60, 72; 4) 35, 42, 56.
Common multiples of 3 and 5: 15, 30.
Think: 1) 63; 2) 12; 3) 9 (9 × 1); 4) 1, 2, 5 and 10.

4 Page 4: word problems

1) 8, 16, 24, 32 and 40 minutes
2) No. 40 is not a multiple of 6. 7 boxes give 42 cupcakes.
3) 56 yes (7 × 8). 60 no.
4) 15

5 Teaching tip 💡

Children often mix up factors and multiples. Say it this way: factors are few and small, multiples are many and they grow.

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