

Name: _____

Multiples of 6: 5 [A]



2&4

5&10

3&9

7&11

6,8&12

Finding
Factors

LCM

GCF

Factor
Trees

All

Multiples of 6:

The number must be divisible by 2 and 3, so it must be an even number that is divisible by 3.
e.g. 78: 78 is even and $7 + 8 = 15$, so 78 is divisible by 3. So 78 is a multiple of 6.

Find the multiples of 6: Cross out the numbers that are not even, then circle those that are multiples of 3 (do the digits add to 3 or a multiple of 3). Those are multiples of 6.

12

18

19

22

24

26

46

48

51

66

96

49

124

136

156

174

270

321

Write the multiples of 6

1) Start at 6

6



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2-digit numbers2) 44×1 3) 44×5 4) 22×5

= _____
= _____
= _____

Halving 2-digit numbers14) $58 \div 2$ 17) $62 \div 2 =$ _____ 18) $54 \div 2 =$ _____ 19) $84 \div 2 =$ _____20) $52 \div 2 =$ _____ 21) $86 \div 2 =$ _____ 22) $70 \div 2 =$ _____**Addition revision**23) $6 + 8 =$ _____ 28) $6 + 9 =$ _____24) $4 + 8 =$ _____ 29) $8 + 3 =$ _____25) $9 + 9 =$ _____ 30) $5 + 9 =$ _____26) $7 + 4 =$ _____ 31) $6 + 4 =$ _____27) $4 + 4 =$ _____ 32) $10 + 7 =$ _____**Subtraction revision**33) $8 - 3 =$ _____ 38) $10 - 5 =$ _____34) $18 - 8 =$ _____ 39) $3 - 2 =$ _____35) $16 - 9 =$ _____ 40) $6 - 3 =$ _____36) $9 - 8 =$ _____ 41) $15 - 5 =$ _____37) $8 - 6 =$ _____ 42) $10 - 1 =$ _____

This worksheet is part of the Professor Pete's Classroom eBook "Ten Minutes a Day 3: Factors and Multiples Worksheets". The recommended teaching sequence is shown in the bar at the top of this sheet.

Name: _____

Multiples of 8: 5 [B]



2&4

5&10

3&9

7&11

6,8&12

Finding
Factors

LCM

GCF

Factor
Trees

All

Multiples of 8:

The number must be divisible by 2 three times.

e.g. 248: half of 248 is 124; half of 124 is 62, half again is 31. So 248 is a multiple of 8.

Circle the multiples of 8: Check each number so see if you can halve the numbers 3 times.

6	8	12	15	16	19
21	24	25	26	30	32
36	38	40	44	48	54
100	104	120	128	242	248

How many
of dots?

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Multiplication

- 2) $8 \times 0.3 =$ _____
- 3) $7 \times 0.5 =$ _____ 8) $6 \times 0.6 =$ _____
- 4) $6 \times 0.7 =$ _____ 9) $8 \times 0.9 =$ _____
- 5) $8 \times 0.4 =$ _____ 10) $8 \times 0.6 =$ _____
- 6) $6 \times 0.5 =$ _____ 11) $9 \times 0.5 =$ _____

- 13) $4.8 \div 8 =$ _____ 18) $4 \div 5 =$ _____
- 14) $7.2 \div 8 =$ _____ 19) $5.4 \div 9 =$ _____
- 15) $4.9 \div 7 =$ _____ 20) $4.2 \div 7 =$ _____
- 16) $5.6 \div 8 =$ _____ 21) $0.5 \div 5 =$ _____

Addition revision

- 22) $4 + 3 =$ _____ 26) $3 + 8 =$ _____
- 23) $8 + 7 =$ _____ 27) $5 + 7 =$ _____
- 24) $3 + 3 =$ _____ 28) $5 + 5 =$ _____
- 25) $10 + 8 =$ _____ 29) $4 + 7 =$ _____

Subtraction revision

- 30) $15 - 9 =$ _____ 34) $14 - 8 =$ _____
- 31) $14 - 5 =$ _____ 35) $11 - 7 =$ _____
- 32) $5 - 2 =$ _____ 36) $17 - 7 =$ _____
- 33) $7 - 3 =$ _____ 37) $9 - 4 =$ _____

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Name: _____

Multiples of 12: 5 [C]



2&4 5&10 3&9 7&11 **6,8&12** Finding Factors LCM GCF Factor Trees All

Multiples of 12:

Twelve has factors of 3 and 4. Therefore, to be a multiple of 12 a number must fit the rules for divisibility by both 3 and 4.

Multiples of 4: Even numbers that are divisible by 2 twice.

Multiples of 4, numbers over 100: if the tens and ones are divisible by 4 the whole number is a multiple of 4.

Multiples of 3: The sum of the digits is 3 or another multiple of 3.

Find the multiples of 12: Cross out the numbers that are not multiples of 4, then circle those that are multiples of 3. Those are multiples of 12.

12	18	20	24	32	36
35	38	42	48	60	68
72					112

Write the multiples of 12:

1) Start at 12

12
24
36
48
60
72
84
96
108
120

Write the multiples of 12:

2) Start at 12

12
24
36
48
60
72
84
96
108
120

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Addition revision

- | | |
|--------------------|---------------------|
| 3) $3 + 5 =$ _____ | 7) $5 + 8 =$ _____ |
| 4) $4 + 9 =$ _____ | 8) $9 + 7 =$ _____ |
| 5) $5 + 7 =$ _____ | 9) $8 + 4 =$ _____ |
| 6) $3 + 7 =$ _____ | 10) $7 + 3 =$ _____ |

- | | |
|-----------------------|----------------------|
| 11) $15 - 10 =$ _____ | 15) $10 - 5 =$ _____ |
| 12) $9 - 4 =$ _____ | 16) $9 - 6 =$ _____ |
| 13) $16 - 8 =$ _____ | 17) $19 - 9 =$ _____ |
| 14) $10 - 5 =$ _____ | 18) $8 - 7 =$ _____ |

Multiplication with decimals revision

- | | |
|----------------------------|----------------------------|
| 19) $6 \times 0.5 =$ _____ | 23) $5 \times 0.6 =$ _____ |
| 20) $8 \times 0.6 =$ _____ | 24) $8 \times 0.1 =$ _____ |
| 21) $8 \times 0.4 =$ _____ | 25) $8 \times 0.7 =$ _____ |
| 22) $9 \times 0.8 =$ _____ | 26) $6 \times 1.0 =$ _____ |

Fractions with extension

- | | |
|---------------------------------|---------------------------------|
| 27) $\frac{1}{6}$ of 36 = _____ | 30) $\frac{1}{4}$ of 20 = _____ |
| 28) $\frac{1}{8}$ of 64 = _____ | 31) $\frac{1}{6}$ of 24 = _____ |
| 29) $\frac{1}{6}$ of 18 = _____ | 32) $\frac{1}{8}$ of 56 = _____ |

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