

Digits and Divisibility - Practice

- 1** Find the ones digit when these numbers are multiplied

$$3 \times 3$$

A 8	B 1	C 7
D 9	E 3	F 0

- 2** Find the ones digit when these numbers are multiplied

$$3 \times 3 \times 3 \times 3 \times 3$$

A 1	B 9	C 8
D 3	E 5	F 2

- 3** Find the ones digit when these numbers are multiplied

$$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$$

A 5	B 1	C 0
D 7	E 8	F 6

- 4** Find the ones digit of this number

$$1^{10}$$

A 1	B 8	C 2
D 5	E 9	F 6

- 5** Find the ones digit of this number

$$5^4$$

A 8	B 4	C 5
D 9	E 7	F 3

- 6** Find the ones digit of this number

$$5^6$$

A 8	B 5	C 3
D 9	E 6	F 4

- 7** Find the ones digit when these numbers are multiplied

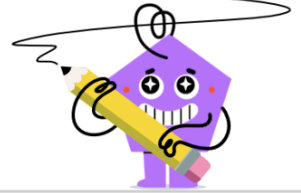
$$59 \times 59$$

A 1	B 2	C 4
D 0	E 9	F 6

- 8** Find the ones digit of this number

$$66^1$$

A 4	B 5	C 9
D 6	E 8	F 0

**Digits and Divisibility - Practice**

- 9** Find the ones digit when these numbers are multiplied
 $81 \times 81 \times 81$

A 5	B 2	C 6
D 4	E 9	F 1

- 10** Find the ones digit of this number
 23^4

A 3	B 9	C 1
D 5	E 4	F 6

- 11** Find the ones digit when these numbers are multiplied
 $81 \times 81 \times 81 \times 81 \times 81 \times 81 \times 81 \times 81$

A 1	B 8	C 4
D 2	E 0	F 6

- 12** Find the ones digit of this number
 47^7

A 3	B 6	C 1
D 8	E 5	F 4

- 13** Find the ones digit of this number
 9^{80}

A 6	B 7	C 1
D 2	E 9	F 8

- 14** Find the ones digit of this number
 3^{66}

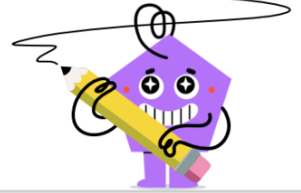
A 2	B 7	C 8
D 3	E 4	F 9

- 15** Find the ones digit of this number
 2^{39}

A 5	B 9	C 4
D 6	E 8	F 2

- 16** Is 14 a factor of 42

A No	B Yes
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Digits and Divisibility - Practice

17 Is 4 a factor of both 30 and 42?

A

Yes

B

No

18 Find the ones digit of this number once multiplied

$$4^5 \cdot 6^5$$

A

1

B

3

C

6

D

8

E

4

F

9

19 Find the ones digit of this number once multiplied

$$9^7 \cdot 2^7$$

A

9

B

6

C

8

D

2

E

3

F

4

20 Is z a factor of 18

A

Yes

B

No

21 Is n a factor of both 42 and 70?

A

No

B

Yes

22 Is 98 a factor of 210

A

Yes

B

No

23 Is 27 a factor of both 90 and 126?

A

No

B

Yes

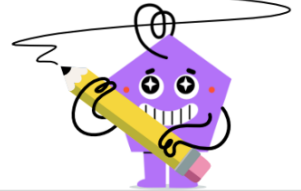
24 Is 15 a factor of 30

A

Yes

B

No

**Digits and Divisibility - Practice****25** Is x a factor of 210

A

No

B

Yes

26 Is p a factor of both 210 and 825?

A

No

B

Yes

27 Is 28 a factor of 210

A

Yes

B

No

28 Is 10 a factor of both 105 and 165?

A

Yes

B

No

29 Is 175 a factor of both 350 and 525?

A

No

B

Yes

30 Find the ones digit of this number once multiplied

$$3^{11} \cdot 7^{11}$$

A

8

B

0

C

9

D

5

E

1

F

3

31 Find the ones digit of this number once multiplied

$$9^{66} \cdot 6^{66}$$

A

1

B

2

C

3

D

8

E

9

F

6

32 Find the ones digit of this number once multiplied

$$2^{56} \cdot 9^{56}$$

A

3

B

6

C

5

D

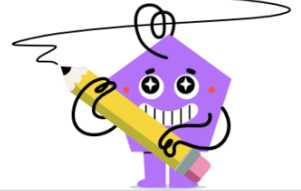
7

E

0

F

4



Digits and Divisibility - Practice

33 Find the ones digit of this number once multiplied
 $2^{73} \cdot 7^{73}$

A 4	B 6	C 2
D 3	E 1	F 5

34 Find the ones digit of this number once multiplied
 $6^5 \cdot 5^1$

A 3	B 2	C 6
D 8	E 0	F 9

35 Find the ones digit of this number once multiplied
 $4^7 \cdot 2^1$

A 1	B 7	C 9
D 0	E 8	F 2

36 Find the ones digit of this number once multiplied
 $8^8 \cdot 3^1$

A 5	B 2	C 4
D 9	E 0	F 8

37 Find the ones digit of this number once multiplied
 $6^{49} \cdot 9^{50}$

A 3	B 9	C 1
D 6	E 7	F 5

38 Find the ones digit of this number once multiplied
 $4^{77} \cdot 9^{76}$

A 4	B 8	C 9
D 6	E 3	F 5

39 Find the ones digit of this number once multiplied
 $2^{73} \cdot 3^{74}$

A 8	B 9	C 3
D 0	E 1	F 4