ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 1**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 9**
CHAPTER NAME	**: TESTS OF DIVISIBILITY**
SUBTOPIC	**: EVEN AND ODD NUMBERS, EX-9 A Q.NO. 1 TO 3**

TEST OF DIVISIBILITY

EVEN AND ODD NUMBERS

Even Number

Numbers having **2**, **4**, **6**, **8** and **0** as their one's digit are known as even numbers. E.g. **2**, **4**, **6**, **12**, **78**, **438**, **1744**, **1800**, etc.

TEST OF DIVISIBILITY

EVEN AND ODD NUMBERS

Odd Number

Numbers having **1**, **3**, **5**, **7** and **9** as their one's digit are known as odd numbers. E.g. **3**, **9**, **47**, **139**, **665**, **2481**, etc.

TEST OF DIVISIBILITY

EXERCISE – 9(A)

ODM EDUCATIONAL GROUP
Changing your Tomorrow

1. Write down all the even numbers between.

(a) 1 to 20 = 2, 4, 6, 8, 10, 12, 14, 16, 18.

(b) 38 to 60 = 40, 42, 44, 46, 48, 50, 52, 54, 56, 58,.

TEST OF DIVISIBILITY

EXERCISE – 9(A)

2. Write down all the odd numbers between.

(a) 1 to 20 = 3, 5, 7, 9, 11, 13, 15, 17, 19.

(b) 45 to 65 = 47, 49, 51, 53, 55, 57, 59, 61, 63.

TEST OF DIVISIBILITY

EXERCISE – 9(A)

ODM EDUCATIONAL GROUP
Changing your Tomorrow

3. Circle ◯ the even numbers and tick (✓) the odd numbers:

68	75 ✓	83 ✓	94	100
217 ✓	440	777 ✓	941 ✓	980
2,140	3,666	7,845 ✓	9,949 ✓	8,000
24,215 ✓	36,882	47,440	82,819 ✓	92,944
2,26,041 ✓	8,80,819 ✓	9,44,482	6,60,000	3,16,615 ✓

TEST OF DIVISIBILITY

EXERCISE – 9(A)

4. Write down in your note book all the even numbers between:

a) 40 0 to 450

402	404	406	408	410	412	414	416	418	420
422	424	426	428	430	432	434	436	438	440
			442	444	446	448			

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(A)

4. Write down in your note book all the even numbers between:

b) 1,728 to 1,800

1,730	1,732	1,734	1,736	1,738	1,740	1,742	1,744	1,746	1,748
1,750	1,752	1,754	1,756	1,758	1,760	1,762	1,764	1,766	1,768
1,770	1,772	1,774	1,776	1,778	1,780	1,782	1,784	1,786	1,788
1,790	1,792	1,794	1,796	1,798					

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(A)

4. Write down in your note book all the even numbers between:

c) 20,218 to 20,300

20,220	20,222	20,224	20,226	20,228	20,230	20,232	20,234	20,236	20,238
20,240	20,242	20,244	20,246	20,248	20,250	20,252	20,254	20,256	20,258
20,260	20,262	20,264	20,266	20,268	20,270	20,272	20,274	20,276	20,278
20,280	20,282	20,284	20,286	20,288	20,290	20,292	20,294	20,296	20,298

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(A)

5. Write down in your note book all the even numbers between:

d) 3,25,320 to 3,25,400

3,25,322	3,25,324	3,25,326	3,25,328	3,25,330	3,25,332	3,25,334	3,25,336	3,25,338	3,25,340
3,25,342	3,25,344	3,25,346	3,25,348	3,25,350	3,25,352	3,25,354	3,25,356	3,25,358	3,25,360
3,25,362	3,25,364	3,25,366	3,25,368	3,25,370	3,25,372	3,25,374	3,25,376	3,25,378	3,25,380
			3,25,392	3,25,394	3,25,396	3,25,398			

HOME ASSIGNMENT:

- **Complete Exercise – 9 A Q.NO. 4 in your note book.**

LEARNING OUTCOME:

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Students are able to understand about even and odd numbers.

ODM EDUCATIONAL GROUP
Changing your Tomorrow

THANKING YOU

ODM EDUCATIONAL GROUP

ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 2**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 9**
CHAPTER NAME	**: TESTS OF DIVISIBILITY**
SUBTOPIC	**: TESTS OF DIVISIBILITY, EXPLANATION AND RULES**

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 2:

A number is divisible by **2** if its last digit is an even number or zero; e.g. **24**, **92**, **178**, **778**, **2480**, **9000**, etc.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 4:

A number is divisible by **4** if the number formed by its last two digit is divisible by **4** or if the last two digits are both zeros, e.g. **116**, **300**, **2148**, **6100**, etc.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 3:

A number is divisible by **3** if the sum of its digit is divisible by 3.

e.g. **NUMBER** **Sum of The Digit**

18 = 1 + 8 = **9** (divisible by **3**)

243 = 2 + 4 + 3 = **9** (divisible by **3**)

2463 = 2 + 4 + 6 + 3 = **15** (divisible by **3**)

6472 = 6 + 4 + 7 + 2 = **19** (not divisible by **3**)

So, **6472** is not divisible by **3**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 6:

A number is divisible by **6** if it is divisible by 2 and 3 i.e. its last digit (one's digit) must be an even number and the sum of its digit must be divisible by 3. (e.g. **84**, **264**, **2142**, etc).

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 5:

A number is divisible by **5** if its last digit (one's digit) is either zero or 5. (e.g. **60**, **200**, **775**, **1045**, etc).

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 9:

A number is divisible by **9** if the sum of its digit is divisible by **9**.
(Just like **3**)

e.g. **NUMBER** **Sum of The Digit**

4158 = 4 + 1 + 5 + 8 = **18** (divisible by **9**)

9846 = 9 + 8 + 4 + 6 = **27** (divisible by **9**)

8464 = 8 + 4 + 6 + 4 = **22** (not divisible by **9**)

So, **8464** is not divisible by **9**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Divisibility by 10:

A number is divisible by **10** if its last digit (one's digit) is zero. (e.g. **90**, **180**, **1700**, **58120**, etc).

TEST OF DIVISIBILITY

EXAMPLE: Check the divisibility of the following numbers.

a) 7122 by 3

Answer:

7122 : To check its divisibility, we will add all the together.

7 + 1 + 2 + 2 = **12**

12 is divisible by **3**.

So, the number **7122** is divisible by **3**.

TEST OF DIVISIBILITY

EXAMPLE: Check the divisibility of the following numbers.

b) 51,251
by 9

Answer:

51,251 : To check its divisibility, we will add all the together.

5 + 1 + 2 + 5 + 1 = **14**

14 is not divisible by **9**.

So, the number **51,251** is not divisible by **9**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXAMPLE: Check the divisibility of the following numbers.

c) 79,684 by 4

Answer:

79,684 : As per divisible by 4 rule if the number formed by its last two digit is divisible by **4**.

84 is divisible by **4**.

As 4 × 21 = **84**

So, the number **79,684** is divisible by **4**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXAMPLE: Check the divisibility of the following numbers.

d) 2,712 by 6

Answer:

2,712 : To check its divisibility, we will first look at the last digit and then add all the digits together. Since the last digit is even, it is divisible by 2.

2 + 7 + 1 + 2 = **12**

12 is divisible by **3**.

Since, 2,712 is divisible both by **2** and **3**, therefore the number **2,712** is divisible by **6**.

LEARNING OUTCOME:

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Students are able to understand the divisibility rules of different numbers.

ODM EDUCATIONAL GROUP
Changing your Tomorrow

THANKING YOU

ODM EDUCATIONAL GROUP

ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 3**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 9**
CHAPTER NAME	**: TESTS OF DIVISIBILITY**
SUBTOPIC	**: TESTS OF DIVISIBILITY, EX-9 B Q.NO. 1 TO 8**

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

1) Which of the following numbers are divisible by 2? Tick (✓) them.

Answer:

(a) 36 ✓ . **(b)** 45 ✗ . **(c)** 241 ✗ . **(d)** 918 ✓ .

(e) 2140 ✓ . **(f)** 4309 ✗ . **(g)** 6100 ✓ . **(h)** 25,268 ✓ .

(i) 18,025 ✗ . **(j)** 36,040 ✓ . **(k)** 91,273 ✗ . **(l)** 42,406 ✓ .

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

2) What is the least number that must be added to the following numbers to get the numbers divisible by 2?.

Answer: **(a)** 347 **1**.

As we know, A number is divisible by **2** if its last digit is an **even number** or **zero**

So, if we add **1** to **347** then we will get the number **348** which is a **even** number.

347 + 1 = 348

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

2) What is the least number that must be added to the following numbers to get the numbers divisible by 2?.

Answer: **(b)** 859 **1**.

As we know, A number is divisible by **2** if its last digit is an **even number** or **zero**

So, if we add **1** to **859** then we will get the number **860** which have **zero** in last digit.

859 + 1 = 860

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

2) What is the least number that must be added to the following numbers to get the numbers divisible by 2?.

Answer: **(c)** 1105 **1** .

As we know, A number is divisible by **2** if its last digit is an **even number** or **zero**

So, if we add **1** to **1105** then we will get the number **1106** which is a **even** number.

1105 + 1 = 1106

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

2) What is the least number that must be added to the following numbers to get the numbers divisible by 2?.

Answer: **(d)** **2841** **1**.

As we know, A number is divisible by **2** if its last digit is an **even number** or **zero**

So, if we add **1** to **2841** then we will get the number **2842** which is a **even** number.

2841 + 1 = 2842

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

2) What is the least number that must be added to the following numbers to get the numbers divisible by 2?.

Answer: **(e)** **7043** **1**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we add **1** to **7043** then we will get the number **7044** which is a **even** number.

7043 + 1 = 7044

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

3) What is the least number that must be subtracted from the following numbers to get the numbers divisible by 2?.

Answer: **(a)** 99 **1** .

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we subtract **1** from **99** then we will get the number **98** which is a **even** number.

99 – 1 = 98

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

3) What is the least number that must be subtracted from the following numbers to get the numbers divisible by 2?.

Answer: **(b)** 433 **1**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we subtract **1** from **433** then we will get the number **432** which is a **even** number.

433 – 1 = 432

And it is divisible by **2**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

3) What is the least number that must be subtracted from the following numbers to get the numbers divisible by 2?.

Answer: **(c)** 963 **1**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we subtract **1** from **963** then we will get the number **962** which is a **even** number.

963 – 1 = 962

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

3) What is the least number that must be subtracted from the following numbers to get the numbers divisible by 2?.

Answer: **(d)** **2145** **1**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we subtract **1** from **2145** then we will get the number **2144** which is a **even** number.

2145 – 1 = 2144

And it is divisible by **2**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

3) What is the least number that must be subtracted from the following numbers to get the numbers divisible by 2?.

Answer: **(e)** **22,243** **1**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, if we subtract **1** from **22,243** then we will get the number **22,242** which is a **even** number.

22,243 – 1 = 22,242

And it is divisible by **2**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

4. **(a)** Is 4,122 divisible by 2? **Yes**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, **4,122** is divisible by **2** as it is a **even** number.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

ODM EDUCATIONAL GROUP
Changing your Tomorrow

4. **(b)** Is 3,646 divisible by 2? **Yes**.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

So, **3,646** is divisible by **2** as it is a **even** number.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

4. **(c)** Will their difference also be divisible by 2? **Yes**

.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

The difference between **4,122** and **3,646** is **476**.

4,122 – 3,646 = 476

476 is divisible by **2** as it is a **even** number.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

4. **(d)** Will their sum also be divisible by 2? **Yes**

.

As we know, A number is divisible by **2**
if its last digit is an **even number** or **zero**

The sum between **4,122** and **3,646** is **476**.

4,122 + **3,646** = **7,768**

7,768 is divisible by **2** as it is a **even** number.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

5) Find without actual division, which of the following numbers are divisible by 4. Tick (✓) them.

Answer:

(a) 72 ✓ . **(b)** 96 ✓ . **(c)** 124 ✓ . **(d)** 318 ✗ .

(e) 814 ✗ . **(f)** 930 ✗ . **(g)** 1726 ✗ . **(h)** 2400 ✓ .

(i) 3636 ✓ . **(j)** 12,416 ✓ . **(k)** 26,410 ✗ . **(l)** 66,048 ✓ .

TEST OF DIVISIBILITY

EXERCISE – 9(B)

6) Write down ten numbers greater than **800** but less than **900** which are divisible by **4**.

Answer:

808 As per rule, it's last two digit divisible by **4**.

812 As per rule, it's last two digit divisible by **4**.

816 As per rule, it's last two digit divisible by **4**.

832 As per rule, it's last two digit divisible by **4**.

840 As per rule, it's last two digit divisible by **4**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

6) Write down ten numbers greater than **800** but less than **900** which are divisible by **4**.

Answer:

844 As per rule, it's last two digit divisible by **4**.

852 As per rule, it's last two digit divisible by **4**.

860 As per rule, it's last two digit divisible by **4**.

868 As per rule, it's last two digit divisible by **4**.

880 As per rule, it's last two digit divisible by **4**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

7) Write down ten numbers greater than **7420** but less than **8000** which are divisible by **4**.

Answer:

7424 As per rule, it's last two digit divisible by **4**.

7432 As per rule, it's last two digit divisible by **4**.

7440 As per rule, it's last two digit divisible by **4**.

7444 As per rule, it's last two digit divisible by **4**.

7456 As per rule, it's last two digit divisible by **4**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

7) Write down ten numbers greater than **7420** but less than **8000** which are divisible by **4**.

Answer:

7460 As per rule, it's last two digit divisible by **4**.

7468 As per rule, it's last two digit divisible by **4**.

7476 As per rule, it's last two digit divisible by **4**.

7484 As per rule, it's last two digit divisible by **4**.

7492 As per rule, it's last two digit divisible by **4**.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

8) Find without actual division, which of the following numbers are divisible by 3.

Answer:

(a) 87 ✓ . **(b)** 93 ✓ . **(c)** 426 ✓ . **(d)** 515 ✗ .

(e) 710 ✗ . **(f)** 810 ✓ . **(g)** 1240 ✗ . **(h)** 2310 ✓ .

(i) 7413 ✓ . **(j)** 15,582 ✗ . **(k)** 71,443 ✗ . **(l)** 91,002 ✓ .

HOME ASSIGNMENT:

- **Complete Exercise – 9(B) in your note book.**

ODM EDUCATIONAL GROUP
Changing your Tomorrow

THANKING YOU

ODM EDUCATIONAL GROUP

ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 4**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 9**
CHAPTER NAME	**: TESTS OF DIVISIBILITY**
SUBTOPIC	**: TESTS OF DIVISIBILITY, EX-9 B Q.NO. 9 TO 14**

TEST OF DIVISIBILITY

EXERCISE – 9(B)

9) What can be the possible remainders on dividing a number by 3 and by 5?

Answer:

The possible remainder on dividing a number by **3** always will be less than **3.**

So, the possible remainder are **0**, **1**, **2**.

The possible remainder on dividing a number by **5** always will be less than **5.**

So, the possible remainder are **0**, **1**, **2**, **3**, **4**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

10) Find without actual division which of the following numbers are divisible by 9.

Answer:

(a) 813 ✗ **(b)** 1747 ✗. **(c)** 3006 ✓. **(d)** 8180 ✗.

(e) 14,436 ✓. **(f)** 27,243 ✓. **(g)** 70,001 ✗. **(h)** 24,200 ✗.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

11) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **9**.

Answer:

(a)	80
+	-
1	8

= 8 + 0 = **8**

So, if we add **1** to **8** we get **9**
Which is divisible by **9**

9 × 8 = **72**. So, 80 – 72 = **8**

TEST OF DIVISIBILITY

EXERCISE – 9(B)

11) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **9**.

Answer:

(b)	**277**
+	**-**
2	**7**

= 2 + 7 + 7 = **16**

So, if we add **2** to **16** we get **18**
Which is divisible by **9**

If we subtract 7 to 16 we get 9
which is divisible by 9.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

11) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **9**.

Answer:

(c)	4461
+	-
3	6

= 4 + 4 + 6 + 1 = **15**

So, if we add **3** to **15** we get **18**
Which is divisible by **9**

If we subtract 6 to 15 we get 9
which is divisible by 9.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

11) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **9**.

Answer:

(d)	27,248
+	-
4	5

= 2 + 7 + 2 + 4 + 8 = **23**

So, if we add **4** to **23** we get **27**
Which is divisible by **9**

If we subtract 5 to 23 we get 18 which is divisible by 9.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

12) Tick (✓) the numbers divisible by **5**.

Answer:

(a) 65 ✓ **(b)** 110 ✓. **(c)** 785 ✓. **(d)** 413 ✗.

(e) 1155 ✓. **(f)** 10,210 ✓. **(g)** 24,268 ✗. **(h)** 32,300 ✓.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

13) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **5**?

Answer:

(a)	482
+	-
3	2

If we add 3 to 2 we get 5 in the ones place. So 482 + 3 = 485, which is divisible by 5.

If we subtract 2 to 2 we get 0 in the ones place. So 482 - 2 = 480 , which is divisible by 5.

TEST OF DIVISIBILITY

ODM EDUCATIONAL GROUP
Changing your Tomorrow

EXERCISE – 9(B)

13) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **5**?

Answer:

(b)	738
+	-
2	3

If we add 2 to 8 we get 0 in the ones place. So 738 + 2 = 740, which is divisible by 5.

If we subtract 3 to 8 we get 5 in the ones place. So 738 - 3 = 735, which is divisible by 5.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

13) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by **5**?

Answer:

(c)	2,146
+	-
4	1

If we add 4 to 6 we get 0 in the ones place. So 2146 + 4 = 2150, which is divisible by 5.

If we subtract 1 to 6 we get 5 in the ones place. So 2146 - 1 = 2145, which is divisible by 5.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

14) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by 6.

Answer:

(a)	81
+	-
3	3

8 + 1 = **9**

81 is divisible by **3** but it is not divisible by **2**.

If we add **3** to **81** we get **84** which is divisible by **3** and **2**.

If we subtract **3** to **81** we get 78 which is divisible by **3** and **2**.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

14) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by 6.

Answer:

(b)	94
+	-
2	4

9 + 4 = **13**

13 + **2** = **15**.

If we add **2** to **94** we get **96** which is divisible by **3** and **2**.

If we subtract **4** to **94** we get **90** which is divisible by **3** and **2**.

.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

14) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by 6.

Answer:

(c)	112
+	-
2	4

1 + 1 + 2 = 4

4 + 2 = 6.

If we add 2 to 112 we get 114 which is divisible by 3 and 2.

If we subtract 4 to 112 we get 108 which is divisible by 3 and 2.

.

TEST OF DIVISIBILITY

EXERCISE – 9(B)

14) What is the smallest number that should be (i) added to and (ii) subtracted from the following numbers to get them divisible by 6.

Answer:

(d)	223
+	-
5	1

2 + 2 + 3 = 7

7 + 5 = 12.

If we add 5 to 223 we get 228 which is divisible by 3 and 2.

If we subtract 1 to 223 we get 222 which is divisible by 3 and 2.

.

HOME ASSIGNMENT:

- **Complete Exercise – 9 B Q.NO. 9 to 14 in your note book.**

LEARNING OUTCOME:

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Students are able to understand how to use the divisibility rules of different numbers.

ODM EDUCATIONAL GROUP
Changing your Tomorrow

THANKING YOU

ODM EDUCATIONAL GROUP

ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 5**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 9**
CHAPTER NAME	**: TESTS OF DIVISIBILITY**
SUBTOPIC	**: DOUBT CLEARING AND CLASS TEST**

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

A. Fill in the blanks. **(1×5=5)**

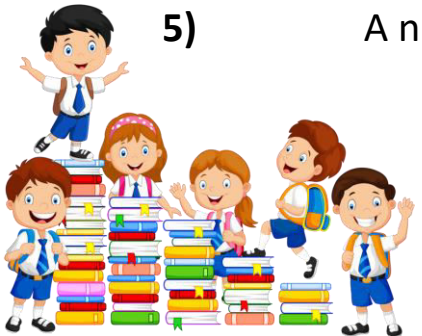
1) A number is divisible by 10 if its last digit is _____.

2) A number is divisible by 6 if it is divisible by _____and _____.

3) A number is divisible by _____ if its last digit is either zero or 5.

4) Numbers having 2,4,6,8 and 0 as their one's digit are known as _____ numbers.

5) A number is divisible by 9 if the sum of its digits is divisible by _____.



CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

B. Do as Directed. **(2×2=4)**

6) Write down all the even numbers in between 60 to 80.

7) Write down all the odd numbers in between 30 to 50.

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

C. Answer the following questions. **(3×2=6)**

8) Check the divisibility of 27,012 by 4.

9) Check the divisibility of 7,145 by 3.

10) Check the divisibility of 3,044 by 6.

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

ANSWER

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

A. Fill in the blanks. **(1×5=5)**

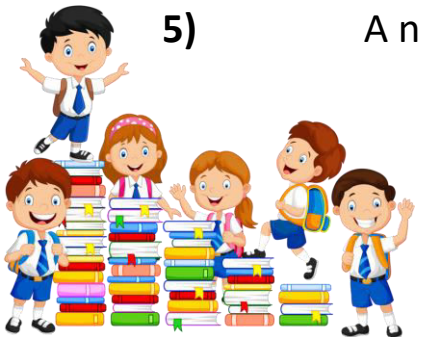
1) A number is divisible by 10 if its last digit is **0** _____.

2) A number is divisible by 6 if it is divisible by **2** _____ and **3** _____.

3) A number is divisible by **5** _____ if its last digit is either zero or 5.

4) Numbers having 2,4,6,8 and 0 as their one's digit are known as **even** _____ numbers.

5) A number is divisible by 9 if the sum of its digits is divisible by **9** _____.



CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

B. Do as Directed. (2×2=4)

6) Write down all the even numbers in between 60 to 80.

62, 64, 66, 68,

70, 72, 74, 76,

78

CLASS TEST **FULL MARK - 15**

ODM EDUCATIONAL GROUP
Changing your Tomorrow

B. Do as Directed. **(2×2=4)**

7) Write down all the odd numbers in between 30 to 50.

31, 33, 35, 37,
39, 41, 43, 45,
47 49

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

C. Answer the following questions. (3×2=6)

8) Check the divisibility of 27,012 by 4.

As per rule, if the last two digit of a number divisible by **4**.
then it is divisible by **4.**

The last two digit of 27,012 is **12**.

12 is divisible by **4**, so **27,012** is divisible by **4**

CLASS TEST

FULL MARK - 15

ODM EDUCATIONAL GROUP
Changing your Tomorrow

C. Answer the following questions. **(3×2=6)**

9) Check the divisibility of 7,145 by 3.

A number is divisible by 3 if the sum of its digit is divisible by **3**.

The sum of **7,145** = 7 + 1 + 4 + 5 = **17**

17 is not divisible by **3**, so **7,145** is not divisible by **3**.

CLASS TEST **FULL MARK - 15**

ODM EDUCATIONAL GROUP
Changing your Tomorrow

C. Answer the following questions. **(3×2=6)**

10) Check the divisibility of 3,044 by 6.

A number is divisible by **6** if it is divisible by **2** and **3.**

3,044 is divisible by **2** because it's last digit is **even**.

3,044 is not divisible by **3** because it's sum which is **11** is not divisible by **3**.

So, **3,044** is not divisible by **6**

LEARNING OUTCOME:

ODM EDUCATIONAL GROUP
Changing your Tomorrow

Students are able to recall the whole chapter through the class test.

ODM EDUCATIONAL GROUP
Changing your Tomorrow

THANKING YOU

ODM EDUCATIONAL GROUP