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SUBJECT: MATHS TITLE: TABLES AND SHARES (NOTES)

CLASS: IV MONTH: DECEMBER

My Multiplication Tables 1-12

1 Times table 1x0=0 1x1=1 1x2=2 1x3=3 1x4=4 1x5=5 1x6=6 1x7=7 1x8=8 1x9=9 1x10=10 1x11=11 1x12=12	2 Times table 2x0=0 2x1=2 2x2=4 2x3=6 2x4=8 2x5=10 2x6=12 2x7=14 2x8=16 2x9=18 2x10=20 2x11=22 2x12=24	3 Times table 3x0=0 3x1=3 3x2=6 3x3=9 3x4=12 3x5=15 3x6=18 3x7=21 3x8=24 3x9=27 3x10=30 3x11=33 3x12=36	4 Times table 4x0=0 4x1=4 4x2=8 4x3=12 4x4=16 4x5=20 4x6=24 4x7=28 4x8=32 4x9=36 4x10=40 4x11=44 4x12=48	5 Times table 5x0=0 5x1=5 5x2=10 5x3=15 5x4=20 5x5=25 5x6=30 5x7=35 5x8=40 5x9=45 5x10=50 5x11=55 5x12=60	6 Times table 6x0=0 6x1=6 6x2=12 6x3=18 6x4=24 6x5=30 6x6=36 6x7=42 6x8=48 6x9=54 6x10=60 6x11=66 6x12=72
7 Times table 7x0=0 7x1=7 7x2=14 7x3=21 7x4=28 7x5=35 7x6=42 7x7=49 7x8=56 7x9=63 7x10=70 7x11=77 7x12=84	8 Times table 8x0=0 8x1=8 8x2=16 8x3=24 8x4=32 8x5=40 8x6=48 8x7=56 8x8=64 8x9=72 8x10=80 8x11=88 8x12=96	9 Times table 9x0=0 9x1=9 9x2=18 9x3=27 9x4=36 9x5=45 9x6=54 9x7=63 9x8=72 9x9=81 9x10=90 9x11=99 9x12=108	10 Times table 10x0=0 10x1=10 10x2=20 10x3=30 10x4=40 10x5=50 10x6=60 10x7=70 10x8=80 10x9=90 10x10=100 10x11=110 10x12=120	11 Times table 11x0=0 11x1=11 11x2=22 11x3=33 11x4=44 11x5=55 11x6=66 11x7=77 11x8=88 11x9=99 11x10=110 11x11=121 11x12=132	12 Times table 12x0=0 12x1=12 12x2=24 12x3=36 12x4=48 12x5=60 12x6=72 12x7=84 12x8=96 12x9=108 12x10=120 12x11=132 12x12=144

EASY TRICKS:

1.) TABLE OF 7:

ANS: TABLE OF 3 + TABLE OF 4

TABLE OF 3 =

3	6	9	12	15	18	21	24	27	30
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TABLE OF 4 =

4	8	12	16	20	24	28	32	36	40
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TABLE OF 7:

When we add both tables ,we get,

3+4 =7	6+8 =14	9+12 = 21	12+16 =28	15+20 =35	18+24 = 42	21+28 =49	24+32 =56	27+36 =63	30+40 70
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2.) TABLE OF 12:

ANS: TABLE OF 10 + TABLE OF 2

TABLE OF 10 =

10	20	30	40	50	60	70	80	90	100
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TABLE OF 2:

2	4	6	8	10	12	14	16	18	20
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TABLE OF 12:

When we add both tables,we get,

10+2 = 12	20+4 = 24	30+6 = 36	40+8 = 48	50+10 = 60	60+12 = 72	70+14 = 84	80+16 = 96	90+18 = 108	100+20 = 120
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HOW MANY CATS:

1.) Some of Gayathri's cats were playing in the box.she counted 28 legs.How many cats are there in the box?

Ans: One cat = 4 legs

But she counted 28 legs.

1	2	3	4	5	6	7
4	8	12	16	20	24	28

So ,totally 7 cats are in the box.

2.) Billo has kept his chickens in a box. He counted 28 legs. How many chickens are there?

Ans: One chicken = 4 legs.

But he counted 28 legs.

1	2	3	4	5	6	7
4	8	12	16	20	24	28

So, totally 7 chickens are in the box.

3.) Leela has not gone to school for 21 days. For how many weeks was she away from school?

Ans: 1 week = 7 days.

Leela has not gone to school = 21 days.

Total weeks = $21 / 7 = 3$ weeks.

JUMPING ANIMALS:

A Frog jumps 3 steps at a time starting from 0.

1.) Count the jumps he takes to reach 27.

Ans: He has taken $27 / 3 = 9$ jumps.

2.) He has taken 12 jumps, if he is at 36.

3.) If he is at 42, he has taken 14 jumps.

Starting from 0, a rabbit jumps 5 at a time.

1.) In how many jumps does he reach 25?

Ans: $25 / 5 = 5$ jumps.

2.) He reaches 40 after taking 8 jumps.

3.) He needs 11 jumps to reach 55.

SEA SHELLS:

Dhruu wants to make 3 necklaces by using 112 sea shells. He took 28 shells for one necklace. So $112 - 28 = 84$ shells are remaining. Again he took 28 more shells for the second necklace.

1.) How many shells are left now?

Ans: $84 - 28 = 56$ shells are remaining.

2.) Again he took 28 shells for third necklace. So he was left with $56 - 28 = 28$ shells.

3.) How many necklaces can Dhruv make from 112 shells?

Ans: $112 / 28 = 4$ Necklaces he made by using 112 sea shells.

MULTIPLICATION:

- 1.) $23 \times 3 = 69$
- 2.) $45 \times 6 = 270$
- 3.) $34 \times 4 = 136$
- 4.) $567 \times 7 = 3969$
- 5.) $468 \times 2 = 936$
- 6.) $38 \times 42 = 1596$
- 7.) $789 \times 15 = 11,835$
- 8.) $45 \times 62 = 2790$
- 9.) $90 \times 40 = 3600$
- 10.) $35 \times 41 = 1435$

DIVISION:

- 1.) $45 / 5 = 9$
- 2.) $56 / 8 = 7$
- 3.) $42 / 2 = 21$
- 4.) $96 / 3 = 32$
- 5.) $464 / 4 = 116$
- 6.) $832 / 8 = 104$
- 7.) $900 / 10 = 90$

WORD PROBLEMS:

- 1.) Neelu brought 15 story books to her class. Today 45 students are present. How many children will need to share one book?

Ans: Total no. of students = 45

No. of story books = 15

No. of children sharing one book = $45 / 15 = 3$

Thus 3 children will need to share one book.

- 2.) A family of 8 people needs 60 kg wheat for a month. How much wheat does this family need for a week?

Ans: Wheat needed for a month = 60 kg

Wheat needed for 1 day = $60 / 30 = 2$ kg.

Wheat needed for 1 week = $2 \times 7 = 14$ kg.

3.) Raziz wants change for Rs. 500. How many notes will she want in return:

i.) All 100 Rupee notes?

Ans: $500 / 100 = 5$

ii.) All 50 Rupees notes?

Ans: $500 / 50 = 10$

iii.) All 20 Rupees notes?

Ans: $500 / 20 = 25$

iv.) All 5 Rupees notes?

Ans: $500 / 5 = 100$

FRAMING QUESTIONS:

1.) There are 8 packets of Rakhis. Each packet has 6 Rakhis in it.

Ans: How many Rakhis are there in all packets?

2.) There are 10 packets of sugar. Saurabh paid 110 Rupees for all the packets.

Ans: What is the cost of 1 packet of sugar?

3.) There are 35 students in 7 rows. Each row has the same number of students.

Ans: How many students are there in each row?

4.) Hari, Seema, Chinku and Lakshmi are going to Guwahati. The cost of one rail ticket is Rs. 62.

Ans: How much is the cost of five rail tickets?

5.) One metre of cloth costs Rs. 20. Lalbiak bought some cloth and paid Rs. 140.

Ans: How many metres of cloth was bought for Rs. 140?