

SCHOOL ACCOLADES

Std - 3 (9th week)

Elementary Mathematics

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Ex-1: Let us calculate:

4) $3 \overline{) 962} (320$

$$\begin{array}{r} 962 \\ -900 \\ \hline 62 \\ -60 \\ \hline 2 \end{array}$$

~~∴ Quotient = 320~~

∴ Quotient = 320
Remainder = 2

5) $4 \overline{) 851} (210$

$$\begin{array}{r} 851 \\ -800 \\ \hline 51 \\ -40 \\ \hline 11 \\ -8 \\ \hline 3 \end{array}$$

∴ Quotient = 210
Remainder = 3

4) $3 \overline{) 962} (315$

$$\begin{array}{r} 962 \\ -900 \\ \hline 62 \\ -45 \\ \hline 17 \\ -15 \\ \hline 2 \end{array}$$

∴ Quotient = 315
Remainder = 2

5) $4 \overline{) 683} (170$

$$\begin{array}{r} 683 \\ -400 \\ \hline 283 \\ -280 \\ \hline 3 \end{array}$$

∴ Quotient = 170
Remainder = 3

Ex-5.4: 1) Let us divide:

1) $42 \div 7 = 6$

$$\begin{array}{r} 42 \\ -42 \\ \hline 0 \end{array}$$

∴ Quotient = 6
Remainder = 0

2) $52 \div 2 =$

$$\begin{array}{r} 52 \\ -40 \\ \hline 12 \\ -12 \\ \hline 0 \end{array}$$

Quotient = 26
Remainder = 0

3) $63 \div 8 =$

$$\begin{array}{r} 63 \\ -56 \\ \hline 7 \end{array}$$

Quotient = 7
Remainder = 7

4) $85 \div 4 =$

$$\begin{array}{r} 85 \\ -80 \\ \hline 5 \\ -4 \\ \hline 1 \end{array}$$

∴ Quotient = 21
Remainder = 1

5) $501 \div 7 =$

$$\begin{array}{r} 501 \\ -490 \\ \hline 11 \\ -7 \\ \hline 4 \end{array}$$

∴ Quotient = 71
Remainder = 4

6) $835 \div 9 =$

$$\begin{array}{r} 835 \\ -810 \\ \hline 25 \\ -18 \\ \hline 7 \end{array}$$

∴ Quotient = 92
Remainder = 7

$$\begin{array}{r} 7) 4) 80 (20 \\ \underline{-8} \\ 0 \\ \underline{-0} \\ 0 \end{array}$$

∴ Quotient = 20

$$\begin{array}{r} 8) 9) 72 (8 \\ \underline{-72} \\ 0 \end{array}$$

∴ Quotient = 8

$$\begin{array}{r} 9) 6) 84 (14 \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

∴ Quotient = 14

$$\begin{array}{r} 10) 5) 61 (12 \\ \underline{-5} \\ 11 \\ \underline{-10} \\ 1 \end{array}$$

∴ Quotient = 12

Remainder = 1

$$\begin{array}{r} 11) 3) 59 (19 \\ \underline{-3} \\ 29 \\ \underline{-27} \\ 2 \end{array}$$

∴ Quotient = 19

Remainder = 2

$$\begin{array}{r} 12) 7) 92 (13 \\ \underline{-7} \\ 22 \\ \underline{-21} \\ 1 \end{array}$$

∴ Quotient = 13

Remainder = 1

$$\begin{array}{r} 13) 5) 705 (141 \\ \underline{-5} \\ 20 \\ \underline{20} \\ 5 \\ \underline{-5} \\ 0 \end{array}$$

∴ Quotient = 141

Remainder = 0

$$\begin{array}{r} 14) 6) 264 (44 \\ \underline{-24} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

∴ Quotient = 44

$$\begin{array}{r} 15) 7) 320 (55 \\ \underline{-35} \\ 40 \\ \underline{-35} \\ 5 \end{array}$$

∴ Quotient = 55

Remainder = 5

$$\begin{array}{r} 16) 3) 638 (212 \\ \underline{6} \\ 3 \\ \underline{3} \\ 8 \\ \underline{-6} \\ 2 \end{array}$$

∴ Quotient = 212

Remainder = 2

$$\begin{array}{r} 17) 8) 489 (61 \\ \underline{-48} \\ 99 \\ \underline{-8} \\ 1 \end{array}$$

∴ Quotient = 61

Remainder = 1

$$\begin{array}{r} 18) 6) 931 (155 \\ \underline{-6} \\ 33 \\ \underline{-30} \\ 11 \\ \underline{-6} \\ 5 \end{array}$$

∴ Quotient = 155

Remainder = 5

Ex-2: 5 students can sit in each bench.

∴ 45 students can sit in $(45 \div 5)$ bench = 9 bench

∴ For them to sit 9 benches will be needed.

Ans: 9 benches.

$$\begin{array}{r} 9) 45) 9 \\ \underline{-45} \\ 0 \end{array}$$

Ex-3: 6 persons got 48 guavas.

\therefore 1 person got $(48 \div 6)$ guavas = 8 guavas.

$$\begin{array}{r} 6 \overline{) 48} (8 \\ -48 \\ \hline 0 \end{array}$$

\therefore Each of them got 8 guavas.

Ans: 8 guavas.

Ex-4: TK 6 is the price of 1 banana.

\therefore TK 90 is the price of $(90 \div 6)$ bananas = 15 bananas.

$$\begin{array}{r} 6 \overline{) 90} (15 \\ -6 \\ \hline 30 \\ -30 \\ \hline 0 \end{array}$$

\therefore 15 bananas can be bought for TK 90.

Ans: 15 bananas.

Ex-5: TK 7 is the cost of an egg.

\therefore TK 532 is the cost of $(532 \div 7)$ eggs = 76 eggs.

$$\begin{array}{r} 7 \overline{) 532} (76 \\ -49 \\ \hline 42 \\ -42 \\ \hline 0 \end{array}$$

\therefore He can buy 76 eggs and no money will be left with him. Ans: 76 eggs.

Ex-6: We know 1 week = 7 days

\therefore 7 days = 1 week

\therefore 365 days = $(365 \div 7)$ weeks = 52 weeks 1 day

$$\begin{array}{r} 7 \overline{) 365} (52 \\ -35 \\ \hline 15 \\ -14 \\ \hline 1 \end{array}$$

\therefore There are 52 weeks and 1 day.

Ans: 52 weeks and 1 day.

Extra Questions with answers:

1) If 10 Khata costs 550 taka, what is the price per Khata?

Solution: 10 Khats cost is 550 taka.
 \therefore 1 Khat cost is $(550 \div 10)$ taka = 55 taka

$$\begin{array}{r} 10 \overline{) 550} (55 \\ -50 \\ \hline 50 \\ -50 \\ \hline 0 \end{array}$$

2) If 8 eggs cost 72 taka, then what is the cost of an egg?

8 eggs cost 72 taka.

∴ An egg costs $(72 \div 8)$ taka = 9 taka

$$\begin{array}{r} 8 \overline{) 72} \\ \underline{-72} \\ 0 \end{array}$$

Ans: 9 taka.

3) What will be the share of a person if 56 taka is divided equally among 4 persons?

4 persons will get 56 Taka.

∴ a person will get $(56 \div 4)$ taka = 14 taka.

$$\begin{array}{r} 4 \overline{) 56} \\ \underline{-4} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

Ans: 14 taka.

4) If 5 students can sit on 1 bench, then how many benches are required for sitting 50 students?

5 students can sit on 1 bench.

∴ 50 students can sit on $(50 \div 5)$ bench = 10 benches

$$\begin{array}{r} 5 \overline{) 50} \\ \underline{-5} \\ 0 \\ \underline{-0} \\ 0 \end{array}$$

Ans: 10 benches.

5) If you have 77 lozenges and those are divided equally among your 7 friends, how many lozenges will each get?

7 friends will get 77 lozenges

∴ Each friend will get $(77 \div 7)$ lozenges

Ans: 11 lozenges. = 11 lozenges.

$$\begin{array}{r} 7 \overline{) 77} \\ \underline{-7} \\ 07 \\ \underline{-7} \\ 0 \end{array}$$

6) Rumi got 25 taka from father and 15 taka from mother and then divide the whole amount among her 4 younger brothers and sisters. How much amount will each of her youngers get?

Rumi got from father 25 taka

Rumi got from mother + 15 taka

∴ Rumi got 40 taka

4 youngers will get 40 taka.

∴ each younger will get $(40 \div 4)$ taka = 10 taka.

$$\begin{array}{r} 4 \overline{) 40} \\ \underline{-4} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

Ans: 10 taka.