L-10

Date __/__/__ Exe - 10-A Page No. 1

Add -

Q3 (a) 275.06 + 62.5 + 0.895

Sol -
$$\begin{array}{r} 275.060 \\ +062.500 \\ +000.895 \\ \hline 338.455 \end{array}$$

(b) 14.7 + 1.47 + 0.147 + 30.85

Sol -
$$\begin{array}{r} 14.700 \\ +01.470 \\ +00.147 \\ +30.850 \\ \hline 47.167 \end{array}$$

Q4 (a) ₹ 67 + ₹ 6.70 + ₹ 6.30

Sol -
$$\begin{array}{r} ₹ 67.00 \\ +₹ 06.70 \\ +₹ 06.30 \\ \hline ₹ 80.00 \end{array}$$

(b) ₹ 360.15 + ₹ 650.75 + ₹ 46.45 + ₹ 0.80

Sol -
$$\begin{array}{r} ₹ 360.15 \\ +₹ 650.75 \\ +₹ 046.45 \\ +₹ 000.80 \\ \hline ₹ 1058.15 \end{array}$$

Chitra

"There are no great things, only small things with great love. Happy are those." - Mother Teresa

## Subtract

Q6 (a) 3·5 - 2·84

Sol -

$$\begin{array}{r} 3\cdot50 \\ -2\cdot84 \\ \hline 0\cdot66 \end{array}$$

(b) 16·25 - 9·756

Sol -

$$\begin{array}{r} 16\cdot250 \\ -09\cdot756 \\ \hline 06\cdot494 \end{array}$$

(c) 400·125 - 368·55

Sol -

$$\begin{array}{r} 400\cdot125 \\ -368\cdot550 \\ \hline 031\cdot575 \end{array}$$

Q7 (a) ₹ 940·25 - ₹ 75·50

Sol -

$$\begin{array}{r} ₹\ 940\cdot25 \\ -\ ₹\ 075\cdot50 \\ \hline ₹\ 864\cdot75 \end{array}$$

Q7 (b) ₹ 100 - ₹ 65·25

Sol -

$$\begin{array}{r} ₹\ 100\cdot00 \\ -₹\ 065\cdot25 \\ \hline ₹\ 034\cdot75 \end{array}$$

(c) ₹ 154·62 - ₹ 78

Sol -

$$\begin{array}{r} ₹\ 154\cdot62 \\ -\ ₹\ 078\cdot00 \\ \hline 076\cdot62 \end{array}$$

## Add

Q8 (a) 5·36 + 5·85

Sol -

$$\begin{array}{r} 5\cdot36 \\ +5\cdot85 \\ \hline 11\cdot21 \end{array}$$

(b) 0·655 + 0·374

Sol -

$$\begin{array}{r} 0\cdot655 \\ +0\cdot374 \\ \hline 1\cdot029 \end{array}$$

Q9 (a) 16·45 + 8·356

Sol -

$$\begin{array}{r} 16\cdot450 \\ +08\cdot356 \\ \hline 24\cdot806 \end{array}$$

(b) 0·2392 + 10·8

Sol -

$$\begin{array}{r} 00\cdot2392 \\ +10\cdot8000 \\ \hline 11\cdot0392 \end{array}$$

Date / /



Q10 (a) 7·3 + 0·54 + 12·8575

Sol –

07·30 00
+ 00·54 00
+ 12·8575
20·69 75

(b) 6391 + 15·8 + 175·6827 + 320·2

Sol –

6391·0000
+ 0015·8000
+ 0175·6827
+ 0320·2000
6902·6827

Q11 (a) Rs 109·25 + Rs 250 + Rs 8·75

Sol –

Rs 109·25
+ Rs 250·00
+ Rs 008·75
Rs. 368·00

(b) Rs 325·50 + Rs 87·75 + Rs 999 + Re 0·65

Sol –

Rs 325·50
+ Rs 087·75
+ Rs 999·00
+ Re 000·65
Rs. 1412·90

Subtract –

Q12 (a) 8·7 – 5·96

Sol –

8·70
– 5·96
2·74

(b) 121 – 57·823

Sol –

121·000
– 057·823
063·177

(c) 700·342 – 698·457

Sol –

700·342
– 698·457
001·885

Q13 (a) Rs 462·65 – Rs 127·50

Sol –

Rs 462·65
– Rs 127·50
Rs 335·15

Q13 (b) Rs 500 – Rs 384·90

Sol –

Rs 500·00
– Rs 384·90
Rs 115·10

(c) Rs 673·15 – Rs 164

Sol –

Rs 673·15
– Rs 164·00
Rs 509·15

Page No. 5

Date / / Exc- 10.B

multiply —

Q1 (a) 0.4 × 6

Sol —

$$\begin{array}{r} 0.4 \\ \times\ 6 \\ \hline 2.4 \end{array}$$

(b) 2.8 × 15

Sol —

$$\begin{array}{r} 2.8 \\ \times 15 \\ \hline 140 \\ 28\times \\ \hline 42.0 \end{array}$$

(c) 3.16 × 4

Sol —

$$\begin{array}{r} 3.16 \\ \times\ 4 \\ \hline 12.64 \end{array}$$

(d) 5.72 × 13

Sol —

$$\begin{array}{r} 5.72 \\ \times\ 13 \\ \hline 1716 \\ 572\times \\ \hline 74.36 \end{array}$$

(e) 1.432 × 35

$$\begin{array}{r} 1.432 \\ \times\ 35 \\ \hline 7160 \\ 4296\times \\ \hline 50.120 \end{array}$$

Q2 (a) 0.3 × 3

Sol —

$$\begin{array}{r} 0.3 \\ \times\ 3 \\ \hline 0.9 \end{array}$$

(b) 1.2 × 9

Sol —

$$\begin{array}{r} 1.2 \\ \times\ 9 \\ \hline 10.8 \end{array}$$

(c) 0.8 × 5

Sol —

$$\begin{array}{r} 0.8 \\ \times\ 5 \\ \hline 4.0 \end{array}$$

(d) 2.6 × 12

Sol —

$$\begin{array}{r} 2.6 \\ \times 12 \\ \hline 52 \\ 26\times \\ \hline 31.2 \end{array}$$

Chitra

"Happiness is when what you think, what you say, and what you do are in harmony." —Mahatma Gandhi

Date __/__/____ Page No. 2

Q3 (a) 0.85 × 11

Sol –

$$\begin{array}{r} 0.85 \\ \times\ 11 \\ \hline 085 \\ 085x \\ \hline 09.35 \end{array}$$

(b) 3.24 × 15

Sol –

$$\begin{array}{r} 3.24 \\ \times\ 15 \\ \hline 1620 \\ 324x \\ \hline 48.60 \end{array}$$

(c) 12.67 × 14

Sol –

$$\begin{array}{r} 12.67 \\ \times\ 14 \\ \hline 5068 \\ 1267x \\ \hline 177.38 \end{array}$$

(d) 6.139 × 18

Sol –

$$\begin{array}{r} 6.139 \\ \times\ 18 \\ \hline 49112 \\ 6139x \\ \hline 110.502 \end{array}$$

Q4 (a) 1.8 × 27

Sol –

$$\begin{array}{r} 1.8 \\ \times\ 27 \\ \hline 126 \\ 36x \\ \hline 48.6 \end{array}$$

(b) 0.16 × 38

Sol –

$$\begin{array}{r} 0.16 \\ \times\ 38 \\ \hline 128 \\ 048x \\ \hline 06.08 \end{array}$$

(c) 4.74 × 45

Sol –

$$\begin{array}{r} 4.74 \\ \times\ 45 \\ \hline 2370 \\ 1896x \\ \hline 213.30 \end{array}$$

(d) 3.125 × 54

Sol –

$$\begin{array}{r} 3.125 \\ \times\ 54 \\ \hline 12500 \\ 15625x \\ \hline 168.750 \end{array}$$

Q5 (a) 2.345 × 139

Sol –

$$\begin{array}{r} 2.345 \\ \times\ 139 \\ \hline 21105 \\ 7035x \\ 2345xx \\ \hline 325.955 \end{array}$$

(b) 0.86 × 250

Sol –

$$\begin{array}{r} 0.86 \\ \times\ 250 \\ \hline 000 \\ 430x \\ 172xx \\ \hline 215.00 \end{array}$$

Chitra

"There are no great things, only small things with great love. Happy are these."—Mother Teresa

Page No. 5

Date __/__/____

Q5 (c) 1·471×124

Sol –

1·471
×124
5884
2942×
1471××
182·404

Q7 (a) 5·26×30

Sol –

5·26
×30
000
1578×
157·80

(c) 1·49×80

Sol –

1·49
×80
000
1192×
119·20

Q8 – 3·2×8

Sol –

3·2
×8
25·6

Q10 – 25·36×38

Sol –

25·36
×38
20288
760 8×
963·68

(d) 5·213×306

Sol –

5·213
×306
31278
0000×
15639××
1595·178

(b) 0·75×50

Sol –

0·75
×50
000
375×
37·50

(d) 0·146×200

Sol –

0·146
×200
0000
0000×
0292××
029·200

Q9 – 15·7×16

Sol –

15·7
×16
942
157×
251·2

Chitra

"...what you think, what you say, and what you do are in harmony." –Mahatma Gandhi

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Q11:- 62.49 x 124

Sol -

62.49
x 124
24996
12498x
6249xx
7748.76

Q12:- 0.576 x 19

Sol -

0.576
x 19
5184
0576x
10.944

Q13:- 2.634 x 65

Sol -

2.634
x 65
13170
15804x
171.210

Q14:- 7.314 x 238

Sol -

7.314
x 238
58512
21942x
14628xx
1740.732

Q15:- 3.962 x 512

Sol -

3.962
x 512
7924
3962x
19810xx
2028.544

Q16:- 7.28 x 400

Sol -

7.28
x400
000
000x
2912xx
2912.00

Chitra

"There are no great things, only small things with great love. Happy are those." -Mother Teresa

Exe 10-C

Page No. 1

Date

Multiply —

Q1 (a) 0.3 × 1.4

Sol —

$$\begin{array}{r} 0.3 \\ \times 1.4 \\ \hline 12 \\ 03\times \\ \hline 0.42 \end{array}$$

(b) 3.6 × 2.7

Sol —

$$\begin{array}{r} 3.6 \\ \times 2.7 \\ \hline 252 \\ 72\times \\ \hline 9.72 \end{array}$$

(c) 2.04 × 6.2

Sol —

$$\begin{array}{r} 2.04 \\ \times 6.2 \\ \hline 408 \\ 1224\times \\ \hline 12.648 \end{array}$$

(d) 5.83 × 0.15

Sol —

$$\begin{array}{r} 5.83 \\ \times 0.15 \\ \hline 2915 \\ 583\times \\ 000\times\times \\ \hline 0.8745 \end{array}$$

(e) 2.753 × 0.08

Sol —

$$\begin{array}{r} 2.753 \\ \times 0.08 \\ \hline 22024 \\ 0000\times \\ 0000\times\times \\ \hline 0.22024 \end{array}$$

Q2 (a) 0.4 × 0.2

Sol —

$$\begin{array}{r} 0.4 \\ \times 0.2 \\ \hline 08 \\ 00\times \\ \hline 0.08 \end{array}$$

(b) 1.2 × 0.6

Sol —

$$\begin{array}{r} 1.2 \\ \times 0.6 \\ \hline 72 \\ 00\times \\ \hline 0.72 \end{array}$$

(c) 4.9 × 1.8

Sol —

$$\begin{array}{r} 4.9 \\ \times 1.8 \\ \hline 392 \\ 49\times \\ \hline 8.82 \end{array}$$

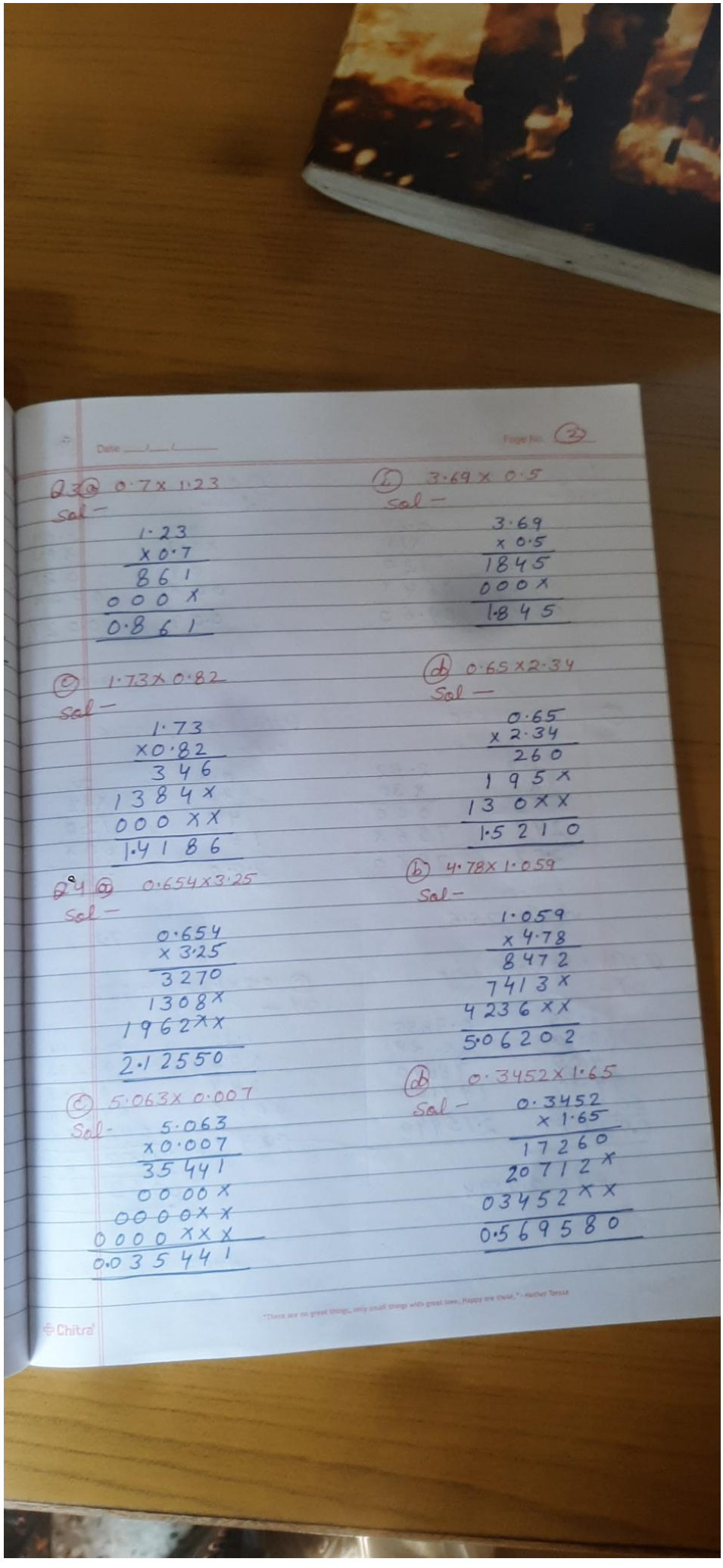
(d) 11.5 × 0.9

Sol —

$$\begin{array}{r} 11.5 \\ \times 0.9 \\ \hline 1035 \\ 000\times \\ \hline 10.35 \end{array}$$

Chitra

"Happiness is when what you think, what you say, and what you do are in harmony." - Mahatma Gandhi



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Q3 (a) 0·7 × 1·23

Sol –

1·23
×0·7
861
000×
0·861

(c) 1·73 × 0·82

Sol –

1·73
×0·82
346
1384×
000××
1·4186

Q4 (a) 0·654 × 3·25

Sol –

0·654
×3·25
3270
1308×
1962××
2·12550

(c) 5·063 × 0·007

Sol –

5·063
×0·007
35441
0000×
00000××
0000×××
0·035441

(d) 3·69 × 0·5

Sol –

3·69
×0·5
1845
000×
1·845

(d) 0·65 × 2·34

Sol –

0·65
×2·34
260
195×
130××
1·5210

(b) 4·78 × 1·059

Sol –

1·059
×4·78
8472
7413×
4236××
5·06202

(d) 0·3452 × 1·65

Sol –

0·3452
×1·65
17260
20712×
03452××
0·569580

Chitra

"There are no great things, only small things with great love. Happy are these." – Mother Teresa

Page No. 3

Date / /

Q6 (a) 0.4 × 1.6 × 15

Sol –

| 0.4 | 0.64 |
|---|---|
| ×1.6 | ×15 |
| 24 | 320 |
| 04× | 064× |
| 0.64 | 09.60 |

Ans = 9.6

(b) 0.3 × 0.3 × 0.3

Sol –

| 0.3 | 0.09 |
|---|---|
| ×0.3 | ×0.3 |
| 09 | 027 |
| 00× | 000× |
| 0.09 | 0.027 |

Ans = 0.027

(c) 1.2 × 2.1 × 30

Sol –

| 1.2 | 2.52 |
|---|---|
| ×2.1 | ×30 |
| 12 | 000 |
| 24× | 756× |
| 252 | 75.60 |

Ans = 75.6

Q7(a) 0.8 × 2.5 × 3.6

Sol –

| 0.8 | 3.6 |
|---|---|
| ×2.5 | ×2 |
| 40 | 7.2 |
| 16× | |
| 2.00 | |

Ans = 7.2

Q7 (b) 1.35 × 0.73 × 2.8

Sol –

| 1.35 | 0.9855 |
|---|---|
| ×0.73 | × 2.8 |
| 405 | 78840 |
| 945× | 19710× |
| 000×× | 2.75940 |
| 0.9855 | |

Ans = 2.7594

(c) 0.2 × 1.22 × 0.222

Sol –

| 1.22 | 0.244 |
|---|---|
| ×0.2 | ×0.222 |
| 244 | 0488 |
| 000× | 0488× |
| 0.244 | 0488×× |
| | 0000×××|
| | 0053168 |

Ans = 0.053168

Chitra

"Happiness is when what you think, what you say, and what you do are in harmony." –Mahatma Gandhi

Page No. (4)

Q8:- 1·5 × 2·6

Sol -

```
  1·5
× 2·6
-----
  90
 30X
-----
 3.90
```

Ans = 3·9

Q9:- 4·4 × 3·2

Sol -

```
  4·4
× 3·2
-----
  88
 132X
-----
14.08
```

Ans = 14·08

Q10:- 2·63 × 0·5

Sol -

```
  2·63
× 0·5
------
 1315
 000X
------
1·315
```

Ans = 1·315

Q11:- 0·98 × 0·06

Sol -

```
  0·98
× 0·06
-------
   588
  000X
 000XX
-------
 0588
```

Ans = 0·0588

Q12:- 4·53 × 0·07

Sol -

```
  4·53
× 0·07
-------
  3171
  000X
 000XX
-------
 03171
```

Ans = 0·3171

Q13:- 0·123 × 2·35

Sol -

```
  0·123
× 2·35
-------
   615
  369X
 246XX
-------
0.28905
```

Ans = 0·28905

Q14:- 6·023 × 2·015

```
  6·023
× 2·015
--------
 30115
 6023X
0000XX
12046XXX
--------
12·136345
```

Ans = 12·136345

"There are no good things, only small things with great love. Happy are these." —Mother Teresa

Chitra

Date __/__/____

Q15 :- 0.1 × 1.1 × 1.01

Sol –

```
  0.1
 x1.1
 ---
  01
 01x
 ---
 0.11
```

```
  0.11
 x1.01
 -----
  011
 000x
 011xx
 -----
 0.11111
```

Ans = 0.11111

Q16 :- 0.08 × 0.005 × 0.14

Sol –

```
  0.005
 x 0.08
 ------
  0040
 0000x
 0000xx
 ------
 0.00040
```

```
  0.00040
 x 0.14
 -------
  000160
 0000040x
 00000000xx
 -----------
 0.0000560
```

Ans = 0.000056

Exc - 10-D

Page No. 1

Q1 (a)

$$4\overline{)25.2}\ (6.3)$$

24 ↓

12

12

X

Ans = 6.3

(b)

$$12\overline{)64.92}\ (5.41)$$

60 ↓

49

48 ↓

12

12

X

Ans = 5.41

(c)

$$15\overline{)76.395}\ (5.093)$$

75 ↓ ↓

139

135 ↓

45

45

X

Ans = 5.093

(d)

$$5\overline{)11.7}\ (2.34)$$

10 ↓

17

15

20

20

X

Ans = 2.34

Q2 (a) 9.6 ÷ 3

Sol –

$$3\overline{)9.6}\ (3.2)$$

9 ↓

6

6

X

Ans = 3.2

(b) 18.6 ÷ 6

Sol –

$$6\overline{)18.6}\ (3.1)$$

18 ↓

6

6

X

Ans = 3.1

(c) 27.2 ÷ 8

Sol –

$$8\overline{)27.2}\ (3.4)$$

24 ↓

32

32

X

Ans = 3.4

(d) 36.4 ÷ 7

Sol –

$$7\overline{)36.4}\ (5.2)$$

35 ↓

14

14

X

Ans = 5.2

Chitra

"There are no great things, only small things with great love. Happy Inn Dress." – Mother Teresa

Date / /

Q3 (a) 12.25 ÷ 5

Sol –

```
   02.45
5 ) 12.25
    10
    --
     22
     20
     --
      25
      25
      --
       X
```

Ans = 2.45

(b) 64.54 ÷ 7

Sol –

```
   09.22
7 ) 64.54
    63
    --
     15
     14
     --
      14
      14
      --
       X
```

Ans = 9.22

(c) 10.08 ÷ 9

Sol –

```
   01.12
9 ) 10.08
    09
    --
     10
     09
     --
      18
      18
      --
       X
```

Ans = 1.12

(d) 4.72 ÷ 8

Sol –

```
   0.59
8 ) 4.72
    40
    --
     72
     72
     --
      X
```

Ans = 0.59

Q4 (a) 2.4 ÷ 6

Sol –

```
   0.4
6 ) 2.4
    24
    --
     X
```

Ans = 0.4

(b) 5.6 ÷ 7

Sol –

```
   0.8
7 ) 5.6
    56
    --
     X
```

Ans = 0.8

(c) 0.25 ÷ 5

Sol –

```
   0.05
5 ) 0.25
    25
    --
     X
```

Ans = 0.05

(d) 3.36 ÷ 8

Sol –

```
   0.42
8 ) 3.36
    32
    --
     16
     16
     --
      X
```

Ans = 0.42

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Q5 (a) 72.6 ÷ 12

Sol –

```
      06.05
12 ) 72.6
     72
     ---
      60
      60
      --
       X
```

Ans = 6.05

(b) 35.25 ÷ 15

Sol –

```
      02.35
15 ) 35.25
     30
     ---
      52
      45
      --
       75
       75
       --
        X
```

Ans = 2.35

(c) 54.54 ÷ 18

Sol –

```
      03.03
18 ) 54.54
     54
     ---
      54
      54
      --
       X
```

Ans = 3.03

(d) 173.04 ÷ 14

Sol –

```
      012.36
14 ) 173.04
     14
     --
      33
      28
      --
       50
       42
       --
        84
        84
        --
         X
```

Ans = 12.36

Q6 (a) 50.175 ÷ 25

```
      02.007
25 ) 50.175
     50
     --
      175
      175
      ---
        X
```

Sol –

Ans = 2.007

(b) 60.164 ÷ 52

Sol –

```
      01.157
52 ) 60.164
     52
     --
      81
      52
      --
       296
       260
       ---
        364
        364
        ---
         X
```

Ans = 1.157

(c) 0.0468 ÷ 36

Sol –

```
      0.0013
36 ) 0.0468
     36
     --
      108
      108
      ---
        X
```

Ans = 0.0013

"There are no great things, only small things with great love." – Mother Teresa

Chitra

Q6 (d) 15·0225 ÷ 75

Sol –

```
      00.2003
  75 | 15.0225
       150
       ---
         225
         225
         ---
           X
```

Ans = 0·2003

Q7 (a) 26·934 ÷ 134

Sol –

```
      00.201
 134 | 26.934
       268
       ---
         134
         134
         ---
           X
```

Ans = 0·201

Q7 (b) 334·15 ÷ 205

Sol –

```
      001.63
 205 | 334.15
       205
       ----
        1291
        1230
        ----
         615
         615
         ---
           X
```

Ans = 1·63

(c) 83·325 ÷ 275

Sol –

```
      00.303
 275 | 83.325
       825
       ---
         825
         825
         ---
           X
```

Ans = 0·303

(d) 72·8226 ÷ 12

Sol –

```
      06.06855
  12 | 72.8226
       72
       --
        82
        72
        --
        102
        096
        ---
          66
          60
          --
           60
           60
           --
            X
```

Ans = 6·06855

Q8 (a) 6·12 ÷ 5

Sol –

```
      1.224
   5 | 6.12
       5
       -
       11
       10
       --
        12
        10
        --
         20
         20
         --
          X
```

Ans = 1·224

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Q8 (b) 31·6 ÷ 8

Sol –

```
      03·95
   8 ) 31·6
       24
       ---
       076
       72
       ---
        40
        40
        --
         X
```

Ans = 3·95

(c) 0·15 ÷ 6

Sol –

```
      0·025
   6 ) 0·15
       12
       --
        30
        30
        --
         X
```

Ans = 0·025

(d) 7·14 ÷ 12

Sol –

```
      0·595
  12 ) 7·14
       60
       --
       114
       108
       ---
        060
         60
         --
          X
```

Ans = 0·595

Q9 (a) 587·298 ÷ 15

Sol –

```
      039·1532
  15 ) 587·298
       45
       --
       137
       135
       ---
         229
         215
         ---
          798
          75
          --
           48
           45
           --
           30
           30
           --
            X
```

Ans = 39·1532

(b) 0·262 ÷ 25

Sol –

```
      0·01048
  25 ) 0·262
       25
       --
        120
        100
        ---
         200
         200
         ---
          X
```

Ans = 0·01048

(c) 1·2544 ÷ 125

Sol –

```
      0·0100352
 125 ) 1·2544
       125
       ---
        440
        375
        ---
         650
         625
         ---
          0250
           250
           ---
            X
```

Ans = 0·0100352

(d) 4·8 ÷ 625

Sol –

```
      0·00768
 625 ) 4·8
       00
       --
        4800
        4375
        ----
         4250
         3750
         ----
          5000
          5000
          ----
            X
```

Ans = 0·00768

"There are no great things, only small things with great love. Words are these." – Mother Teresa

Chitra

Q10 :- 80·1 ÷ 9

Sol -

```
      08·9
   9 | 80·1
     | 72 ↓
     |  81
     |  81
     |   X
```

Ans = 8·9

Q11 :- 30·24 ÷ 6

Sol -

```
      05·04
   6 | 30·24
     | 30 ↓↓
     |    24
     |    24
     |     X
```

Ans = 5·04

Q12 :- 0·306 ÷ 9

Sol -

```
      0·034
   9 | 0·306
     |  27 ↓
     |   36
     |   36
     |    X
```

Ans = 0·034

Q13 :- 64·096 ÷ 16

Sol -

```
      04·006
  16 | 64·096
     | 64 ↓↓↓
     |   096
     |   096
     |    X
```

Ans = 4·006

Q14 :- 1·26 ÷ 28

Sol -

```
      0·045
  28 | 1·26
     | 112
     |  140
     |  140
     |    X
```

Ans = 0·045

Q15 :- 196·56 ÷ 135

Sol -

```
      001·456
 135 | 196·56
     | 135 ↓
     |  0615
     |  540 ↓
     |   756
     |   675
     |   0810
     |   810
     |     X
```

Ans = 1·456

Q16 :- 38·385 ÷ 18

Sol -

```
      02·1325
  18 | 38·385
     | 36 ↓
     |  23
     |  18 ↓
     |   58
     |   54 ↓
     |    45
     |    36
     |     90
     |     90
     |      X
```

Ans = 2·1325

Q17 :- 0·4537 ÷ 349

Sol -

```
      0·0013
 349 | 0·4537
     |  349 ↓
     |  1047
     |  1047
     |     X
```

Ans = 0·0013

Date __/__/____

Exc- 10·E

Page No. 1

Divide :-

Q2 (a) 84·9 by 30

Sol-

```
      02·83
30 ) 84·9
     60 ↓
     249
     240
      90
      90
       X
```

Ans = 2·83

(b) 91·5 by 50

Sol-

```
      01·83
50 ) 91·5
     50 ↓
     415
     400
     150
     150
      X
```

Ans = 1·83

(c) 36·45 by 90

Sol-

```
      00·405
90 ) 36·45
     360 ↓
     00 450
        450
         X
```

Ans = 0·405

(d) 3·51 by 20

Sol -

```
      0·175
20 ) 3·51
     20 ↓
     151
     140
     110
     100
      100
      100
       X
```

Ans = 0·175

Q3 (a) 500·4

```
      002·502
200 ) 500·4
     400 ↓
     1004
     1000
       400
       400
        X
```

Ans = 2·502

(b) 845·1 ÷ 300

Sol -

```
      002·817
300 ) 845·1
     600 ↓
     2451
     2400
     00510
      300
      2100
      2100
        X
```

Ans = 2·817

"There are no great things, only small things with great love. Happy are those." - Mother Teresa

Chitra

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Q3 (c) $6.2 \div 500$

Sol —

$$500 \overline{)6.2} = 0.0124$$

$$\begin{array}{r} 00 \\ \hline 620 \\ 500 \\ \hline 1200 \\ 1000 \\ \hline 2000 \\ 2000 \\ \hline \times \end{array}$$

Ans = 0.0124

(d) $250.24 \div 800$

Sol —

$$800 \overline{)250.24} = 000.3128$$

$$\begin{array}{r} 2400 \downarrow \\ \hline 01024 \\ 0800 \\ \hline 2240 \\ 1600 \\ \hline 6400 \\ 6400 \\ \hline \times \end{array}$$

Ans = 0.3128

Exc 10-F

Date / /

Page No. 6

Divide —

Q1 (a) $0.8 \div 0.2$

Sol —

$= \frac{0.8 \times 10}{0.2 \times 10} = \frac{8}{2} = 4$ Ans.

(b) $1.2 \div 0.3$

Sol —

$= \frac{1.2 \times 10}{0.3 \times 10} = \frac{12}{3}$

$= 4$ Ans

(c) $5.6 \div 0.7$

Sol —

$= \frac{5.6 \times 10}{0.7 \times 10} = \frac{56}{7} = 8$ Ans.

Q2 — (a) $3.15 \div 1.5$

Sol —

$= \frac{3.15 \times 10}{1.5 \times 10} = \frac{31.5}{15}$

$$\begin{array}{r} 2.1 \\ 15\overline{)31.5} \\ 30\downarrow \\ \hline 15 \\ 15 \\ \hline X \end{array}$$

Ans = 2.1

(b) $3.852 \div 1.8$

Sol —

$= \frac{3.852 \times 10}{1.8 \times 10} = \frac{38.52}{18}$

$$\begin{array}{r} 2.14 \\ 18\overline{)38.52} \\ 36\downarrow \\ \hline 25 \\ 18\downarrow \\ \hline 72 \\ 72 \\ \hline X \end{array}$$

Ans = 2.14

(c) $0.0552 \div 2.4$

Sol — $= \frac{0.0552 \times 10}{2.4 \times 10} = \frac{0.552}{24}$

$$\begin{array}{r} 0.023 \\ 24\overline{)0.552} \\ 048\downarrow \\ \hline 72 \\ 72 \\ \hline X \end{array}$$

Ans = 0.023

Chitra

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Q.3 (a) $118.3 \div 0.13$

Sol —

$$= \frac{118.3 \times 100}{0.13 \times 100} = \frac{11830}{13}$$

$$13 \overline{)11830} \quad (910$$

$117\downarrow$

$13$

$13\downarrow$

$0$

$0$

$X$

Ans = 910

(b) $0.5 \div 0.025$

Sol —

$$= \frac{0.5 \times 1000}{0.025 \times 1000}$$

$$= \frac{500}{25}$$

$$25 \overline{)500} \quad (020$$

$50\downarrow$

$0$

$0$

$X$

= 20 Ans.

(c) $14.9 \div 0.64$

Sol —

$$= \frac{14.9 \times 100}{0.64 \times 100} = \frac{1490}{64}$$

$$64 \overline{)1490} \quad (0023.28125$$

$128\downarrow$

$0210$

$192$

$0180$

$128$

$520$

$512$

$80$

$64$

$160$

$128$

$320$

$320$

$X$

Ans = 23.28125

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Q4 (a) $6 \div 0.4$

Sol—

$$= \frac{6 \times 10}{0.4 \times 10} = \frac{60}{4}$$

$$4\overline{)60}\ (15$$

4
20
20
x

Ans = 15

(b) $9 \div 1.25$

Sol—

$$= \frac{9 \times 100}{1.25 \times 100} = \frac{900}{125}$$

$$125\overline{)900}\ (007.2$$

875
0250
250
x

Ans = 7.2

(c) $15 \div 0.048$

Sol—

$$= \frac{15 \times 1000}{0.048 \times 1000} = \frac{15000}{48}$$

$$48\overline{)15000}\ (0312.5$$

144
60
48
120
096
240
240
x

Ans = 312.5

Chitra

"There are no great things, only small things with great love. Happy are those." - Mother Teresa

Q6 :— 5.04 ÷ 0.8

Sol —

$$= \frac{5.04 \times 10}{0.8 \times 10} = \frac{50.4}{8}$$

$$8 \overline{)50.4} \quad 06.3$$

48 ↓

24

24

X

Ans = 6.3

Q7 :— 55.8 ÷ 4.5

Sol —

$$= \frac{55.8 \times 10}{4.5 \times 10} = \frac{558}{45}$$

$$45 \overline{)558} \quad 012.4$$

45 ↓

108

090

180

180

X

Ans = 12.4

Q8 :— 5.6 ÷ 0.224

Sol — $= \frac{5.6 \times 1000}{0.224 \times 1000} = \frac{5600}{224}$

$$224 \overline{)5600} \quad 0025$$

448 ↓

1120

1120

X

Ans = 25

Q9 :—

Sol —

Q10 :—

Sol :—

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Q9 — 448 ÷ 1.28

Sol —

$$\frac{448 \times 100}{1.28 \times 100} = \frac{44800}{128}$$

```
      00350
128 ) 44800
      384
      0640
       640
       ---
         0
         0
         ---
         X
```

Ans = 350

Q10 — 51 ÷ 42.5

Sol :—

$$= \frac{51 \times 10}{42.5 \times 10} = \frac{510}{425}$$

```
      001.2
425 ) 510
      425
      ---
       850
       850
       ---
         X
```

Ans = 1.2

"There are no good things, and no bad things with great love. Happy are those." Mother Teresa

Dillu

Exc. 10.G

Page No. 1

Date / /

Divide :—

Q1 (a) $4 \div 5$

Sol —

$$5\overline{)4}\ (0.8$$

$40$

$40$

$X$

Ans = 0.8

(b) $3 \div 12$

Sol —

$$12\overline{)3}\ (0.25$$

$0$

$30$

$24$

$60$

$60$

$X$

Ans = 0.25

(c) $154 \div 28$

Sol —

$$28\overline{)154}\ (005.5$$

$140$

$140$

$X$

Ans = 5.5

(d) $80 \div 32$

Sol —

$$32\overline{)80}\ (02.5$$

$64$

$160$

$160$

$X$

Ans = 2.5

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Q2 (a) 6 ÷ 75

Sol:—

```
      0.08
75 ) 6
     0
     ---
     600
     600
     ---
       X
```

Ans = 0.08

(b) 17 ÷ 68

Sol-

```
      00.25
68 ) 17
     00
     ---
     170
     136
     ---
     340
     340
     ---
       X
```

Ans = 0.25

(c) 18 ÷ 125

Sol:—

```
      00.144
125 ) 18
     00
     ---
     180
     125
     ---
     550
     500
     ---
      500
      500
      ---
        X
```

Ans = 0.144

(d) 150 ÷ 600

Sol —

```
      000.25
600 ) 150
      000
      ----
      1500
      1200
      ----
      03000
       3000
       ----
         X
```

Ans = 0.25

Convert into a decimal fraction.

Q3 (a) $\frac{1}{2}$

Sol —

$$2\overline{)1.0}\ (0.5$$

10
10
x

Ans = 0.5

(b) $\frac{1}{4}$

Sol —

$$4\overline{)1.0}\ (0.25$$

10
08
20
20
x

Ans = 0.25

(c) $\frac{1}{5}$

Sol —

$$5\overline{)1.0}\ (0.2$$

10
10
x

Ans = 0.2

(d) $\frac{1}{8}$

Sol —

$$8\overline{)1.0}\ (0.125$$

10
08
20
16
40
40
x

Ans = 0.125

(e) $\frac{1}{25}$

Sol —

$$25\overline{)1.0}\ (0.04$$

100
100
x

Ans = 0.04

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Q4 (a) $\frac{3}{4}$

Sol —

$$4\overline{)3} = 0.75$$

3 0
2 8
2 0
2 0
x

Ans = 0.75

(b) $\frac{5}{8}$

Sol —

$$8\overline{)5} = 0.625$$

5 0
4 8
2 0
1 6
4 0
4 0
x

Ans = 0.625

(c) $\frac{11}{16}$

Sol —

$$16\overline{)11} = 0.6875$$

11 0 0
9 6
1 4 0
1 2 8
1 2 0
1 1 2
8 0
8 0
x

Ans = 0.6875

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Q4 (d) $\frac{4}{5}$

Sol — $5\overline{)4}$ → 0.8

0
40
40
X

Ans = 0.8

(e) $\frac{17}{25}$

Sol — $25\overline{)17}$ → 00.68

00
170
150
200
200
X

Ans = 0.68

Q5 (a) $\frac{2}{20}$

Sol — $20\overline{)2}$ → 0.1

0
20
20
X

Ans = 0.1

(b) $\frac{17}{40}$

Sol — $40\overline{)17}$ → 00.425

00
170
160
100
080
200
200
X

Ans = 0.425

Chitra

"Happiness is when what you think, what you say, and what you do are in harmony." – Mahatma Gandhi

(c) $\frac{13}{50}$

Sol:-

$$50 \overline{)13.00} = 0.26$$

130
100
300
300
X

Ans = 0.26

(d) $\frac{27}{80}$

Sol:-

$$80 \overline{)27.00} = 0.3375$$

270
240
0300
240
600
560
400
400
X

Ans = 0.3375

(e) $\frac{72}{125}$

Sol:-

$$125 \overline{)72.00} = 0.576$$

720
625
950
875
0750
750
X

Ans = 0.576

Q5(a) $1\frac{1}{4}$

Sol —

$= \frac{5}{4}$

$4\overline{)5}\ (1.25$

$4$

$10$

$8$

$20$

$20$

$0$

Ans = 1.25

(b) $4\frac{3}{5}$

Sol — $= \frac{23}{5}$

$5\overline{)23}\ (04.6$

$20$

$30$

$30$

$0$

Ans = 4.6

(c) $9\frac{3}{8}$

Sol — $\frac{75}{8}$

$8\overline{)75}\ (09.375$

$72$

$30$

$24$

$60$

$56$

$40$

$40$

$0$

Ans = 9.375

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(d) $15\frac{3}{16}$

Sol — $= \frac{243}{16}$

```
      015.1875
16 ) 243
     16↓
     ---
      83
      80
     ---
      30
      16
     ---
     140
     128
    ----
     120
     112
    ----
       80
       80
      ---
       0
```

Ans = 15.1875

(e) $20\frac{11}{20}$

Sol — $= \frac{411}{20}$

```
      020.55
20 ) 411
     40↓
     ---
     110
     100
    ----
     100
     100
    ----
       0
```

Ans = 20.55

"There are no great things, only small things with great love. Happy are those." — Mother Teresa

Chitra

Exc · 10H

Q1 Sol :—

Points from the audience = 9·8
Points from the judges = 9·0
Points from the T.V. viewers = 9·6
Team's total score = 9·8 + 9·0 + 9·6
= 28·4 points Ans.

Q2 Sol :—

Total money = Rs 150
Money spent for sugar = Rs 19·50
Money spent for wheat flour = Rs 90
Money spent for biscuits = Rs 28·25
Money left = 150 − 19·50 − 90 − 28·25
= 150 − 137·75
= Rs 12·25 Ans.

Q3 Sol —

Divisor = 7
Quotient = 65·2
Dividend = 65·2 × 7
= 456·4

Q4 Sol :—

The product of two numbers = 0·0465
One number = 0·05
Other number = 0·0465 ÷ 0·05

$$= \frac{0.0465 \times 100}{0.05 \times 100} = \frac{4.65}{5}$$

$$5\overline{)4.65}\ (0.93$$

45
15
15
X

Ans = 0·93

"Happiness is when what you think, what you say, and what you do are in harmony." — Mahatma Gandhi

Date / /

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Q5 (a) Sol:→

The price of a tablet = Re 0.35

The price of a strip of a dozen tablets

= 0.35 × 12

= Rs 4.20 Ans

(b) Sol:—

The cost of 500 sheets of paper = Rs 175

The cost of one sheet = 175 ÷ 500

= Re 0.35 Ans.

$$500\overline{)175.000}\ 0.35$$

1750

1500

2500

2500

X

Ans = 0.35

Q6 Sol:—

Vehicles in a parking lot = 125

Motorcycles = 0.624 of 125

= 0.624 × 125

= 78

Cars = 125 − 78

= 47 Ans

Q7 Sol —

Dell collection = 1
Share of orphanage = 0.7
Remaining part = 1 − 0.7 = 0.3
Grand children = 2
Share of one grand child = 0.3 ÷ 2
= 0.15 Ans.

$$2\overline{)0.3}\ 0.15$$
2
10
10
X

Q8 Sol:—

Number of students in Tina's class = 55
This is 1.25 times the number of students in her old class.

Number of students in her old class
$= 55 \div 1.25$
$= \frac{55 \times 100}{1.25 \times 100} = \frac{5500}{125}$
= 44 Ans.

$$125\overline{)5500}\ 44$$
500
500
500
X

1.0
−0.7
0.3