Worksheet

Decimal fractions

1. (c) 0.027

2. (b) 0.749 and 0.75

3. (c) 0.02 and 0.03

4. (c) 0.078

5. (c) 0.29

6. (c) 0.082

7. (a) 13.6

8. (c) 9.07

9. (a) 0.3

10. (a) 20 2

11. length of Ravi's pencil = 7 cm and 5 mm = 7.5 cm
length of Rajo's pencil = 8 cm and 3 mm = 8.3 cm

so, the total length of Ravi's and Rajo's pencil =

cm

$$\begin{array}{r} 7.5 \\ +8.3 \\ \hline 15.8 \text{ cm} \end{array}$$

So, the total length of Ravi and Rajo's pencil is 15.8 cm.

12. $\frac{3}{2} = \frac{3 \times 5}{2 \times 5} = \frac{15}{10}$ $\quad \frac{4}{5} = \frac{4 \times 20}{5 \times 20} = \frac{80}{100}$

13.

Numbers	Thousands (1000)	Hundreds (100)	Tens (10)	Units (1)	Decimal point	Tenths ($\frac{1}{10}$)	Hundredths ($\frac{1}{100}$)
(a) 19.7			1	9	.	7	
(b) 0.3				0	.	3	

14. A → 0.8

B → 1.3

C → 2.2

P → 2.9

15. 0.08, 0.15, 0.50, 0.92

16. ₹20 and 27p = ₹20.27

17. total distance = 20 km 50 m = 20.050 km

distance travelled by bus = 10 km 200 m = 10.200 km

total distance travelled by auto = ~~30.250 km~~ = 9.850 km

km	m
20	50
+ 10	200
30 km	250 m

km
1 9 10
20.090
− 10.200
9.850 km

18. Distance travelled by Sunita in:

bus → 15 km 268 m
car → 7 km 7 m
on foot → 500 m

so, total distance of Sunita's school from her house → 22.775 km

km	m
15	268
7	007
+ 0	500
22 km	775 m

19. total time of journey → 3 hrs

total distance covered by Rajesh in 1st hr → 60 km 320 m
total distance covered by him in 2nd hr → 54 km 70 m
total distance covered by him in 3rd hr → 65 km 9 m

total distance of the journey → 179.399 km

km	m
60	320
54	070
+ 65	009
179 km	399 m

So, the total distance of the journey is 17.399 km.

20. F

21. In ascending order → 12.104 < 12.124 < 12.142 < 12.214 < 12.401

22. $20.83 \xrightarrow[\text{10ths}]{\text{nearest}} 20.8$

23. weight of:

potatoes → 1.200 kg
dhania → 0.250 kg
onion → 5.300 kg
palak → 0.500 kg
tomatoes → 2.600 kg

so, total weight of the vegetables → 9.850 kg

kg
1.200
0.250
5.300
0.500
+ 2.600
9.850 kg

So, the total weight of the vegetables is 9.850 kg.

24. Neha's mom bought:

4kg 700 g (4.700 kg) carrots
7kg 75 g (7.075 kg) tomatoes

6 kg 89 g (6.089 kg) potatoes.

While coming back from ~~the~~ market vegetable of weight 2 kg 460 g fall from the basket. (2.460 kg)

total weight of the vegetables, she bought = 20.290 kg

kg
~~4.000~~
4.780
7.045
6.085
+ 2.460
20.290 kg

so, total weight of vegetables left with her = 17.830 kg

kg
~~9~~
~~10~~
20.290
- 2.460
17.830 kg

so, 17.830 kg of vegetables is left with her.