Answers Sheet

Ratio Fraction Problems

1.

6 parts Pink
10 parts in Total (6 + 4)
= 6/10
= 3/5

2.

8 parts Yellow
11 parts in total
= 8/11

3.

4 parts Pink
11 parts in Total
= 4/11

4.

3 parts Green
13 parts in Total (6 + 4 + 3)
= 3/13

5.

5 parts Yellow
13 parts in Total
= 5/13

6.

5 parts Pink
18 parts in Total
= 5/18

7.

4/5 Pink   1/5 Yellow

4:1

8.

7/9 Pink   2/9 Yellow

7:2

9.

6/7 Pink   1/7 Yellow

Pink to Yellow

1:6

10.

a)

x	4	8	12	16	20
y	6	12	18	24	30
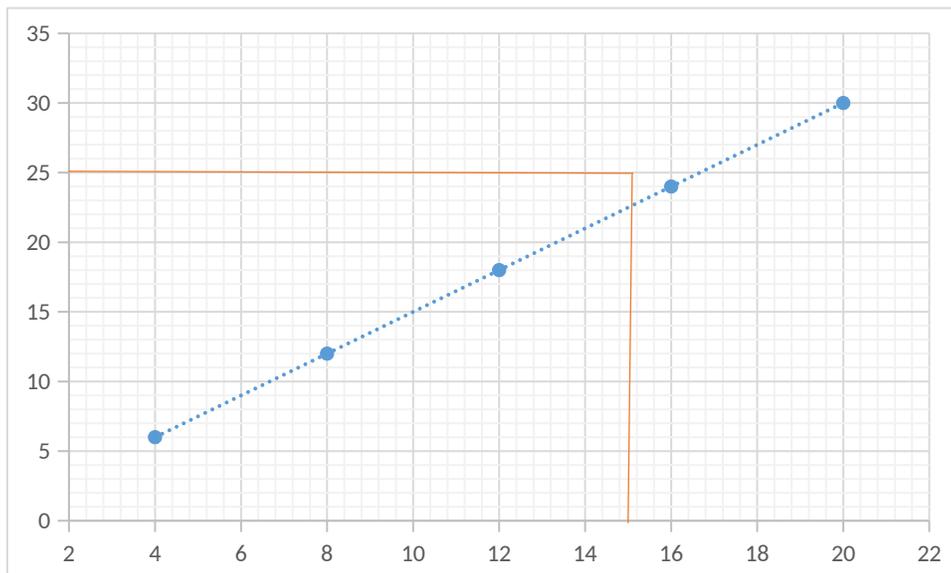
b) 16.5 ml

11.
a)

x	9	18	27	36	45
y	7	14	21	28	35

b) 45 cups

12.

4/5 Adults   1/5 Children

4/6 Boys   2/6 Girls
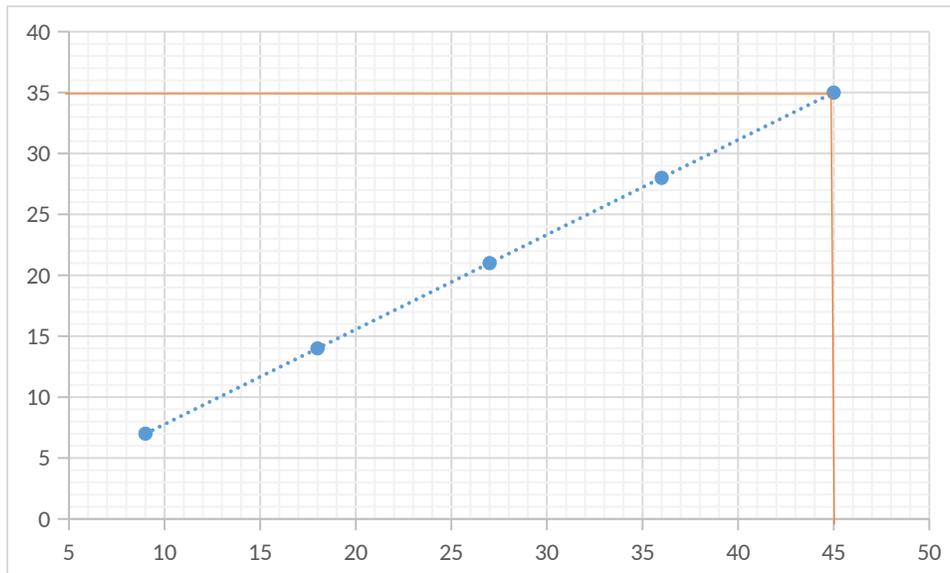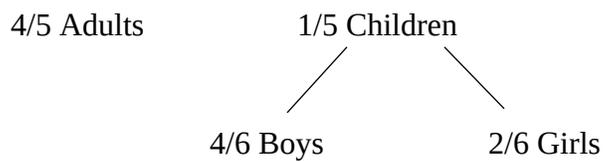
2/6   or   1/5
1/3 × 1/5
= 1/15

13.

2:10 = Total 12 Parts
4:3 = Total 7 Parts
2/12 Staff   10/12 Students
                              /   \
                   4/7 Year 17   3/7 Year 18
4/7   or   10/12
4/7 × 5/6
= 20/42   **=10/21**

14.

6:4 = Total 10 parts
3:2 = Total 5 Parts
6/10 Adults   4/10 Children
                              /   \
                   3/5 Boys   2/5 Girls
2/5   or   4/10
8/50 = 16/100
= 16%

15.

13 parts
6/13 Men   7/13 Women
30% = 3/10
3/10   or   7/13
3/10 × 7/13
= 21/130