



1) a) $\frac{1}{2}$ of 16 = 8 $\frac{1}{4}$ of 16 = 4 $\frac{1}{8}$ of 16 = 2

b) $\frac{2}{2}$ of 16 = 16 $\frac{3}{4}$ of 16 = 12 $\frac{5}{8}$ of 16 = 10

2)

48							
6	6	6	6	6	6	6	6

 $\frac{1}{8}$ of 48 = $48 \div 8 = 6$

$\frac{2}{8}$ of 48 = 12 $\frac{3}{8}$ of 48 = 18 $\frac{4}{8}$ of 48 = 24 $\frac{5}{8}$ of 48 = 30

$\frac{6}{8}$ of 48 = 36 $\frac{7}{8}$ of 48 = 42 $\frac{8}{8}$ of 48 = 48

3)

630ml									
70	70	70	70	70	70	70	70	70	70

 a) 350ml
 b) 280ml

1) This is incorrect. They have divided the quantity (50) by the numerator (2) and then multiplied it by the denominator (5). The correct procedure is to divide by the denominator and multiply by the numerator.



50				
10	10	10	10	10

 $\frac{2}{5}$ of 50 = 20

2) a) $\frac{3}{6}$ of 24 = 12

b) $\frac{2}{5}$ of 56 = 14 The odd one out is b) because it equals 14. Both a) and c) equal 12.

c) $\frac{4}{20}$ of 60 = 12

3) False. The fractions are equivalent because they both have a value of 24.

32														
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

32			
8	8	8	8

4) $\frac{4}{5}$ of 30 = 24 $\frac{2}{3}$ of 60 = 40

1) 12 counters.

$\frac{1}{2}$ of 12 counters is 6

6 counters + 2 = 8

$12 \div 6 = 2$

$\frac{1}{6} = 2$

$\frac{4}{6} = 8$

2)

96											
8	8	8	8	8	8	8	8	8	8	8	8
blue				green				red			

 Blue = $\frac{1}{2} = \frac{6}{12} = 48$ Green = $\frac{4}{12} = 32$ Red = $\frac{2}{12} = 16$
 Answer: $\frac{2}{12} = 16$ of the sweets are red.

3) $\frac{2}{3}$ of 270 = 180

