

Hi my lovely meerkat mathematicians,

I have a very important task for you....a member of Warden House staff has been helping themselves to meerkat sweets. Now it is really important we find out who it is, otherwise when you get back to school all the meerkat sweets will have gone!

Clue 3 (Part 1)

Code.

A	B	C	D	E	F	G	H	I	J	K	L	M
$\frac{4}{6}$	$\frac{10}{12}$	$\frac{4}{8}$	$\frac{6}{10}$	$\frac{7}{14}$	$\frac{9}{12}$	$\frac{3}{8}$	$\frac{6}{7}$	$\frac{2}{4}$	$\frac{3}{5}$	$\frac{3}{10}$	$\frac{1}{6}$	$\frac{4}{5}$

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$\frac{11}{10}$	$\frac{4}{10}$	$\frac{1}{2}$	$\frac{6}{3}$	$\frac{7}{12}$	$\frac{5}{7}$	$\frac{8}{12}$	$\frac{1}{3}$	$\frac{6}{8}$	$\frac{1}{4}$	$\frac{3}{6}$	$\frac{3}{4}$	$\frac{3}{7}$

Remember when + or – fractions, you must make the denominator the same. Whatever you do to the bottom, you must do to the top. Do not change to a mixed number.

1. $\frac{1}{3} + \frac{2}{6} =$

8. $\frac{6}{10} - \frac{1}{5} =$

2. $\frac{4}{7} + \frac{1}{7} =$

9. $\frac{2}{4} - \frac{3}{12} =$

3. $\frac{4}{12} + \frac{2}{6} =$

10. $\frac{3}{3} - \frac{2}{12} =$

4. $\frac{3}{12} + \frac{1}{3} =$

11. $\frac{4}{6} - \frac{1}{2} =$

5. $\frac{1}{2} + \frac{1}{6} =$

12. $\frac{6}{6} - \frac{1}{3} =$

6. $\frac{4}{5} + \frac{3}{10} =$

13. $\frac{3}{4} - \frac{2}{8} =$

7. $\frac{1}{2} + \frac{1}{10} =$

14. $\frac{5}{10} - \frac{1}{5} =$

Clue 3 (Part 2) Fractions of amounts.

Code.

A	B	C	D	E	F	G	H	I	J	K	L	M
14				42	26		16	80			18	

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
11	100			40	35	360			19			

Example $\frac{3}{5}$ of 25 = $\frac{3}{5} \times \frac{25}{1} = x$ the top 3 x 25, and then the bottom 5 x 1 = $\frac{75}{5}$ remember the line means \div so $75 \div 5$
(you can do bus stop to make it easier) = 15

15. $\frac{2}{4}$ of 32 =

% means out of 100, so 20% is the same as $\frac{20}{100}$

.Whatever you do to the top you must do to the bottom eg if you get rid of a 0 at the top, then you must get rid of the 0 on the bottom ($\div 10$) so $\frac{20}{100}$ becomes $\frac{2}{10}$.

17. $\frac{4}{5}$ of 100 =

22. 20% of 90 = $\frac{20}{100} \times \frac{90}{1} =$

23. 30% of 140 =

18. $\frac{5}{8}$ of 64 =

24. 5% of 520 =

25. 75% of 480 =

19. $\frac{3}{7}$ of 42 =

26. 40% of 250 =

27. 1% of 1100 =

20. $\frac{2}{7}$ of 49 =

28. $\frac{5}{10}$ of 720 =

21. $\frac{7}{9}$ of 45 =

29. $\frac{4}{8}$ of 32 =

30. 50% of 84 =

Clue 3 (Part 3) Fractions to whole numbers

Code.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Change the following fractions into whole numbers. Eg $\frac{6}{3} = 6 \div 3 = 2$

31. $\frac{65}{5}$

32. $\frac{9}{3}$

33. $\frac{21}{7}$

34. $\frac{54}{3}$

35. $\frac{66}{6}$

36. $\frac{8}{8}$

37. $\frac{80}{4}$

38. $\frac{120}{6}$

39. $\frac{72}{4}$

40. $\frac{35}{7}$

41. $\frac{9}{9}$

42. $\frac{180}{9}$

43. $\frac{14}{7}$

44. $\frac{120}{8}$

45. $\frac{72}{3}$