Year 4 ~ Maths – Summer 2 Week 3

You will not need to print out the questions, use a piece of paper to write out the answers and do all of your working out.
Ask someone else who lives with you to mark it for you, then you can talk about your errors!
Looking forward to seeing your work!

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
	Try to spend 5 minutes a day practising your times tables. You can use times tables rock stars, or get an adult in your home to practice with you. Choose which days you will complete activities from the CGP booklets. When you have finished each one fill in the progress chart on p74.				
Mental Maths	CGP p8&9 Autumn Workout 4 Read through each question carefully before you answer.		CGP p10&11 Autumn Workout 5 Read through each question carefully before you answer.		CGP p12&13 Autumn Workout 6 Read through each question carefully before you answer.
Problem / Activity of the day	**Practicing times tables** You need to be fluent in your times tables when you are working with fractions. All of the working out involves them ~ there is no hiding! Complete as many of the times tables on the grid below as you can. (Give yourself a time if you want). If you are super confident with your tables please do the second one. The questions you get incorrect or take ages to complete are the ones that you need to practice. So with this in mind I would like you to make some times tables practice cards. See the example below. They can be made like this, then cut up. Put the answer on the back	**Fractions of a Quantity** Remember what you did last week. Have a look and remind yourself. Today I want you to continue practising this with some mixed where some of the numerator are greater than 1. So 2/4 of 16 = You will 1) divide the whole by the denominator. 2) **THEN *multiply*** the answer by the numerator. 16 ÷ 4 = 4 You want **2**/4 so you ***multiply*** the answer by the numerator. 4 x 2 = 8 So 2/4 of 16 = 8	**Fractions of a Quantity reasoning problems** Now you need to think about fractions and how to work them out. Have a go with today's problems. Think carefully about what the answers could be, work them out before you answer. Try to answer them all!	**Calculating Quantities** Now you have had plenty of practice with fractions of quantities I would like you to practice with finding missing values. The question asks you to find ¼ of an $\frac{1}{4}$ of ☐ = 5 unknown number You know that the answer is 5. So 5 x 4 = 20. The answer is 20. ¼ of 20 = 5 You can check you work by working out the following ¼ of 20 =	**Calculating Quantities** Today ttere is a problem I would like you to solve. You need to READ the problem very carefully before you start. THINK about what it is asking you to do. DRAW / SKETCH to illustrate what they are both saying. It seems difficult, so follow the instructions carefully and…Give it a go!

	then you can ask other people who live with you to test you.			20 ÷ 4 = 20	
Resources you will need	Pencil / paper / colour paper / colour pencils	Pencil / paper	Pencil/ paper	Pencil / paper	Pencil / paper
Tips / Clues or methods to help	numerator denominator If you know your times tables fractions are a lot easier. Have you been practicing? Now is the time to practice!	Look back at yesterday's work if you get a bit confused. Keep practicing with your times tables cards.			READ the problem carefully. Use colouring pencils to illustrate what they ar saying.

Day

X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

X	1	2	3	4	5	6	7	8	9	10	11	12
4												
11												
3												
1												
9												
6												
2												
8												
7												
10												
5												
12												

Times tables cards example.

5×3=	2×3=	11×3=
7×3=	12×3=	4×3=

Day 2

Complete the number sentences.

a) $\frac{1}{4}$ of 24 = ☐

$\frac{3}{4}$ of 24 = ☐

c) $\frac{1}{8}$ of 32 = ☐

$\frac{5}{8}$ of 32 = ☐

b) $\frac{1}{7}$ of 35 = ☐

$\frac{3}{7}$ of 35 = ☐

$\frac{5}{7}$ of 35 = ☐

d) $\frac{5}{8}$ of 64 = ☐

$\frac{7}{8}$ of 64 = ☐

$\frac{10}{8}$ of 64 = ☐

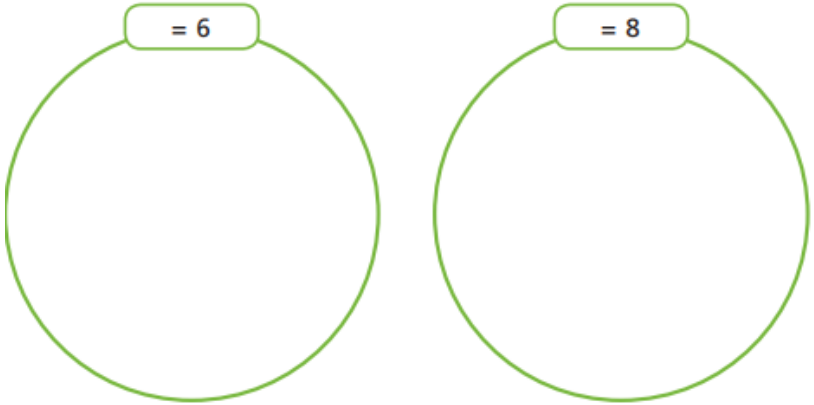
Match the calculations to the answers.

$\frac{2}{3}$ of 18	18
$\frac{5}{6}$ of 18	15
$\frac{9}{10}$ of 20	16
$\frac{4}{5}$ of 20	12

Day 3

a) Write each calculation in the correct circle.

$\frac{1}{2}$ of 16 $\frac{1}{4}$ of 24 $\frac{2}{3}$ of 9 $\frac{3}{2}$ of 4 $\frac{1}{6}$ of 48



b) Write one more calculation in each circle.

Write <, > or = to compare the calculations.

a) $\frac{2}{7}$ of 21 ◯ $\frac{2}{3}$ of 21

b) $\frac{3}{5}$ of 40 ◯ $\frac{2}{3}$ of 36

c) $\frac{6}{8}$ of 40 ◯ $\frac{3}{4}$ of 40

d) $\frac{6}{10}$ of 50 ◯ $\frac{3}{10}$ of 100

Day 4

$\frac{1}{4}$ of ☐ = 4

$\frac{1}{5}$ of ☐ = 5

$\frac{1}{3}$ of ☐ = 4

Complete the calculations.

a) $\frac{1}{2}$ of ☐ = 30

b) $\frac{1}{2}$ of ☐ = 15

c) $\frac{1}{4}$ of ☐ = 15

d) $\frac{3}{4}$ of ☐ = 15

e) $\frac{3}{7}$ of ☐ = 15

f) $\frac{5}{7}$ of ☐ = 15

g) $\frac{5}{7}$ of ☐ = 35

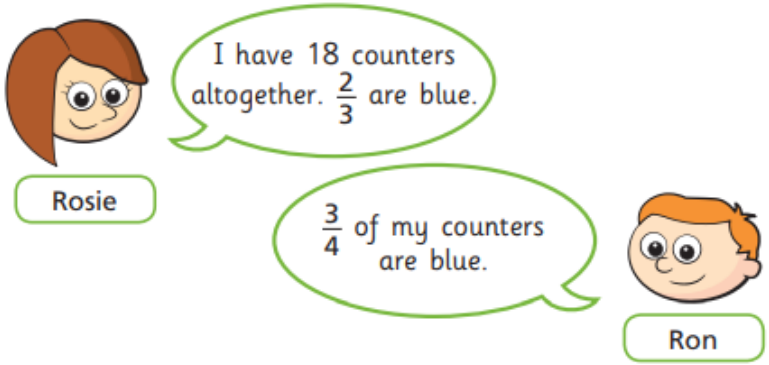
h) $\frac{7}{5}$ of ☐ = 35

Day 5

Rosie and Ron are collecting red and blue counters.

They have the same number of blue counters.

They have a different number of red counters.



a) How many counters does Ron have altogether?

☐

b) How many red counters do they each have?

Rosie has ☐ red counters.

Ron has ☐ red counters.

Answers

Day 1

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Day 2

Complete the number sentences.

a) $\frac{1}{4}$ of 24 = 6

$\frac{3}{4}$ of 24 = 18

b) $\frac{1}{7}$ of 35 = 5

$\frac{3}{7}$ of 35 = 15

$\frac{5}{7}$ of 35 = 25

c) $\frac{1}{8}$ of 32 = 4

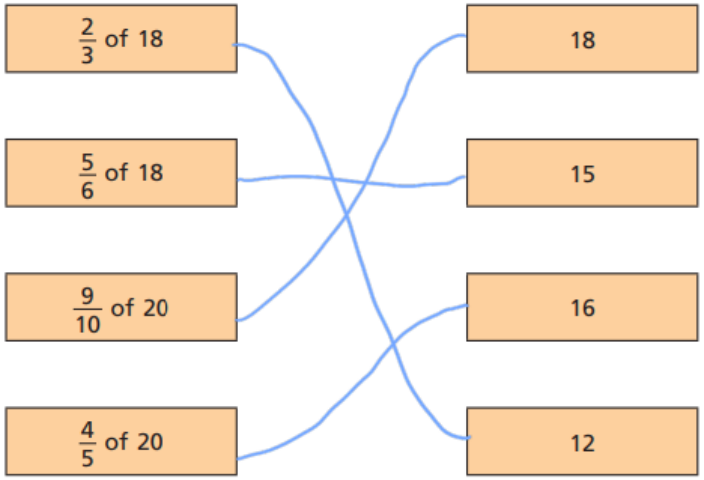
$\frac{5}{8}$ of 32 = 20

d) $\frac{5}{8}$ of 64 = 40

$\frac{7}{8}$ of 64 = 56

$\frac{10}{8}$ of 64 = 80

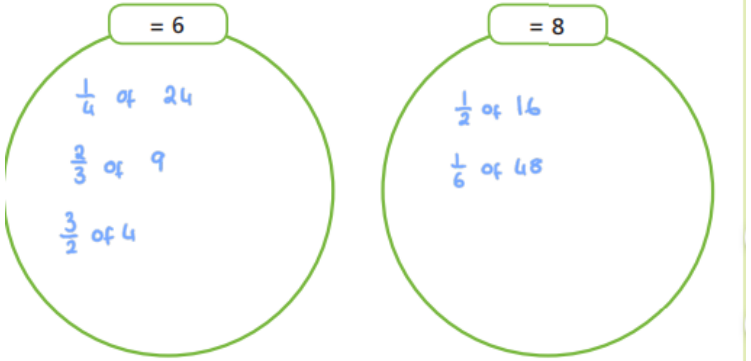
Match the calculations to the answers.



Day 3

a) Write each calculation in the correct circle.

$\frac{1}{2}$ of 16 $\frac{1}{4}$ of 24 $\frac{2}{3}$ of 9 $\frac{3}{2}$ of 4 $\frac{1}{6}$ of 48



Write <, > or = to compare the calculations.

a) $\frac{2}{7}$ of 21 (<) $\frac{2}{3}$ of 21

b) $\frac{3}{5}$ of 40 (=) $\frac{2}{3}$ of 36

c) $\frac{6}{8}$ of 40 (=) $\frac{3}{4}$ of 40

d) $\frac{6}{10}$ of 50 (=) $\frac{3}{10}$ of 100

Day 4

$\frac{1}{4}$ of [16] = 4

$\frac{1}{5}$ of [25] = 5

$\frac{1}{3}$ of [12] = 4

Complete the calculations.

a) $\frac{1}{2}$ of [60] = 30

b) $\frac{1}{2}$ of [30] = 15

c) $\frac{1}{4}$ of [60] = 15

d) $\frac{3}{4}$ of [20] = 15

e) $\frac{3}{7}$ of [35] = 15

f) $\frac{5}{7}$ of [21] = 15

g) $\frac{5}{7}$ of [49] = 35

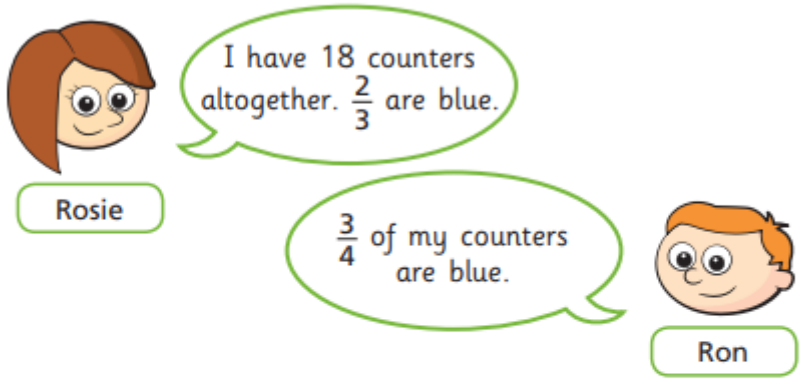
h) $\frac{7}{5}$ of [25] = 35

Day 5

Rosie and Ron are collecting red and blue counters.

They have the same number of blue counters.

They have a different number of red counters.



a) How many counters does Ron have altogether?

[16]

b) How many red counters do they each have?

Rosie has [6] red counters.

Ron has [4] red counters.