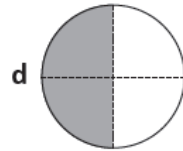
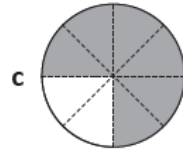
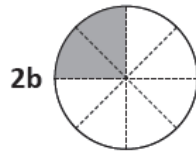


# Summer2 Week2 Year6 Answers

## Monday

### Pages 1-2

- 1a  $\frac{4}{6}$
- b  $\frac{6}{8}$
- c 4
- d 2
- e  $\frac{1}{3}, \frac{2}{6}$



- 3a 4
- b 6
- c 6
- d 15
- e 3
- f 2
- g 20
- h 1

- 4a 4
- b 7
- c 6
- d 2
- e 7
- f 5

5a  $\frac{1}{6}$

b  $2; \frac{2}{12}$

c No. It's the same.  $\frac{2}{12} = \frac{1}{6}$

### Simplifying Fractions

1a  $\frac{1}{2}$

2a  $\frac{15}{20}$  HCF is 5  $\rightarrow \frac{15 \div 5}{20 \div 5} = \frac{3}{4}$

3a  $\rightarrow \frac{4}{5}$

4a  $\frac{4}{7}$

b  $\frac{1}{3}$

b  $\frac{9}{30}$  HCF is 3  $\rightarrow \frac{9 \div 3}{30 \div 3} = \frac{3}{10}$

b  $\rightarrow \frac{1}{2}$

b  $\frac{3}{5}$

c  $\frac{1}{4}$

c  $\frac{16}{24}$  HCF is 8  $\rightarrow \frac{16 \div 8}{24 \div 8} = \frac{2}{3}$

c  $\rightarrow \frac{2}{3}$

c  $\frac{4}{7}$

d  $\frac{2}{3}$

d  $\frac{12}{36}$  HCF is 12  $\rightarrow \frac{12 \div 12}{36 \div 12} = \frac{1}{3}$

d  $\frac{3}{4}$

d  $\frac{1}{3}$

e  $\frac{8}{9}$

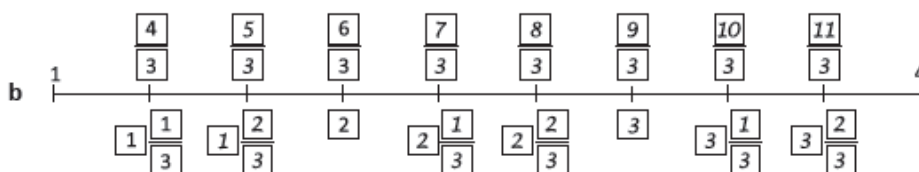
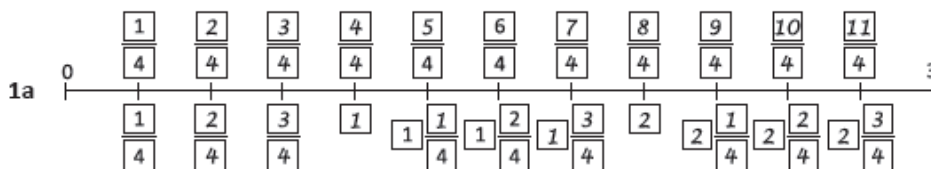
f  $\frac{3}{5}$

g  $\frac{1}{3}$

h  $\frac{3}{11}$

## Tuesday

### Page 3



2 A2:  $\frac{5}{4}$

A3:  $\frac{11}{3}$

A4:  $2\frac{2}{4}$

A5:  $\frac{9}{3}$

A6:  $3\frac{1}{3}$

A7:  $\frac{12}{3}$

A8:  $\frac{12}{2}$

A9:  $\frac{8}{3}$

A10:  $2\frac{1}{3}$

2c 

4	3	2
12	12	12

3a  $\frac{1}{2}$   $\frac{2}{3}$   $\frac{3}{9}$   

9	12	6
18	18	18

b  $\frac{2}{5}$   $\frac{1}{2}$   $\frac{1}{3}$   

12	15	10
30	30	30

c  $\frac{3}{4}$   $\frac{2}{3}$   $\frac{4}{8}$   

18	16	12
24	24	24

d  $\frac{3}{4}$   $\frac{3}{6}$   $\frac{3}{8}$   

18	12	9
24	24	24

### Comparing and ordering fractions

1  $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}, \frac{5}{4}, 1\frac{1}{2}, 1\frac{3}{4}$

2a  $\frac{1}{2}$

b  $\frac{3}{4}$

c  $\frac{1}{2}$

d  $\frac{10}{12}$

3 Answers will vary.

4a  $\frac{3}{8}$   $\frac{2}{4}$   $\frac{5}{6}$   

9	12	20
24	24	24

b  $\frac{4}{7}$   $\frac{1}{2}$   $\frac{11}{14}$   

8	7	11
14	14	14

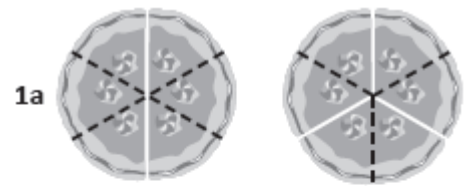
c  $\frac{1}{3}$   $\frac{5}{8}$   $\frac{4}{6}$   

8	15	16
24	24	24

d  $\frac{3}{4}$   $\frac{2}{3}$   $\frac{1}{2}$   

9	8	6
12	12	12

### Renaming and ordering fractions



1a  $\frac{1}{6}$

2a 

6	3	4
12	12	12

b 

3	3	2
6	6	6

### Wednesday

1 

W	O	R	L	D	M	A	T	H	S	D	A	Y
2	11	25	4	9	3	8	5	75	10	9	8	50

2a  $\frac{1}{4}$

b  $\frac{1}{2}$

c  $\frac{3}{4}$

d  $\frac{1}{3}$

e  $\frac{1}{4}$

f  $\frac{5}{4}$

g Answers will vary and may include:

3.00 to 3.20

4.30 to 4.50

11.20 to 11.40

3a 6

b 25

c 18

d 36

e 18

f 210

4a Dylan: 90

Nina: 45

Natasha: 60

b 45 minutes

c 15 minutes

d Dylan:  $\frac{3}{2}$  or  $1\frac{1}{2}$

Nina:  $\frac{3}{4}$

Natasha:  $\frac{1}{1}$

### Trick and Treat

a 20 mini chocolate bars and 4 Chuppa Chups.

b 12 gob stoppers. He missed out on 6.

c 2 Chuppa Chups.

d 12 Wizz Fizzes + 2 suckers + 30 chocolate bars = 44; 44 items

## Thursday

1a  $2\frac{2}{3}$

b  $1\frac{1}{4}$

c  $4\frac{3}{5}$

d  $6\frac{3}{5}$

e  $1\frac{2}{12}$

f  $4\frac{2}{12}$

**PAGE 5** 1 a  $\frac{2}{3}$  b  $\frac{3}{10}$  c  $\frac{19}{20}$  d  $\frac{1}{4}$  e  $\frac{1}{6}$  f  $\frac{1}{2}$  g  $\frac{5}{6}$  h  $\frac{7}{12}$  i  $\frac{12}{35}$  j  $\frac{1}{12}$  k  $\frac{7}{60}$  l  $\frac{1}{8}$  2 a  $1\frac{1}{10}$  b  $1\frac{1}{15}$  c  $1\frac{1}{10}$  d  $\frac{5}{12}$  e  $\frac{1}{4}$   
f  $1\frac{2}{15}$  g  $1\frac{5}{12}$  h  $1\frac{11}{20}$  i  $1\frac{19}{30}$  j  $1\frac{1}{4}$  k  $1\frac{1}{12}$  l  $1\frac{19}{20}$

- You give  $\frac{1}{3}$  of box of brownies to Ella and  $\frac{1}{6}$  of the pan of brownies to Nick. How much of the box of brownies did you give away?  $\frac{3}{6}$  or  $\frac{1}{2}$
- James went out for a long walk. He walked  $\frac{3}{4}$  mile and then sat down to take a rest. Then he walked  $\frac{1}{8}$  of a mile. How far did he walk altogether?  $\frac{7}{8}$  of a mile.
- Sam walks  $\frac{7}{8}$  of a mile to school. Alice walks  $\frac{1}{2}$  of a mile to school. How much farther does Sam walk than Alice? Alice -  $\frac{4}{8}$ , so Sam walks  $\frac{3}{8}$  more.
- Billy made two types of cookies. He used  $\frac{2}{3}$  cup of sugar for one recipe and  $\frac{1}{4}$  cup of sugar for the other. How much sugar (in cups) did he use in all?  $\frac{11}{12}$  of a cup
- There is  $\frac{3}{8}$  of a pizza in one box and  $\frac{1}{4}$  of a pizza in another box. How much do you have altogether?  $\frac{5}{8}$
- $\frac{1}{10}$  of the M&M's in a bag are red and  $\frac{1}{5}$  are blue. What fraction of all the M&M's are red and blue?  $\frac{3}{10}$
- A jug contains  $\frac{3}{4}$  pints of orange juice. After you pour  $\frac{5}{8}$  of a pint into a glass, how much is left in the jug?  $\frac{1}{8}$
- Jackie has  $\frac{1}{3}$  of a Galaxy bar. Nathan has  $\frac{4}{12}$  of a Galaxy bar. How much do they have together?  $\frac{8}{12}$  or  $\frac{2}{3}$
- At a class party,  $\frac{3}{6}$  of a vegetarian pizza and  $\frac{1}{3}$  of a meat-feast pizza were eaten. How much pizza was eaten altogether?  $\frac{5}{6}$
- Amy ran  $\frac{2}{3}$  of a marathon. Beth ran  $\frac{5}{6}$  of a marathon. Who ran farther? How much farther? Amy ran  $\frac{4}{6}$  so Beth  $\frac{5}{6}$  ran further by  $\frac{1}{6}$ .
- Liam and Sam shared a chocolate bar. Liam ate  $\frac{3}{5}$  and Sam ate  $\frac{4}{10}$ . Who ate more? How much more? Liam ate  $\frac{6}{10}$ , so  $\frac{2}{10}$  more.
- A running track is one kilometre long. If I jog for  $\frac{1}{6}$  km and run for  $\frac{2}{3}$  km will I complete the full distance of the track? No, you will run  $\frac{5}{6}$