Year 4 Maths
15.06.20

LO: To be able to add 2 or more fractions.

Follow the link to White Rose video or BBC video

https://www.bbc.co.uk/bitesize/articles/zmhr92p

https://whiterosemaths.com/homelearning/year-4/

We are working behind the scheme so please open **wk com 01/06**

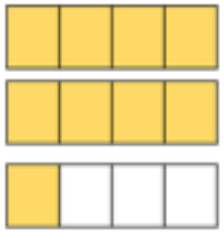
Please complete the worksheet in your book.

Starter

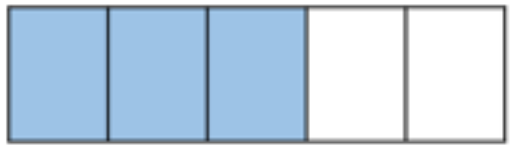
Flashback 4

Year 4 | Week 6 | Day 1

1) How many wholes?



2) What fraction of the shape is shaded?



3) Draw a shape with an area less than 7 squares.

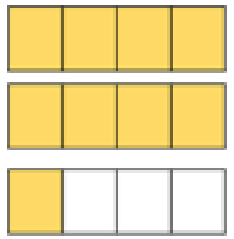
4) What is 3,451 + 2,293?

White

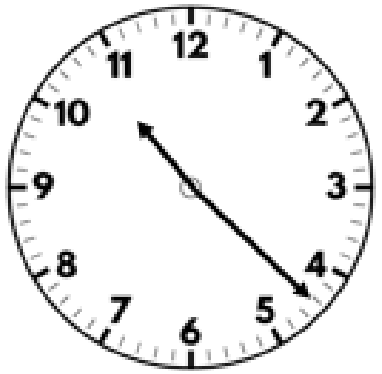
Flashback 4

Year 4 | Week 6 | Day 1

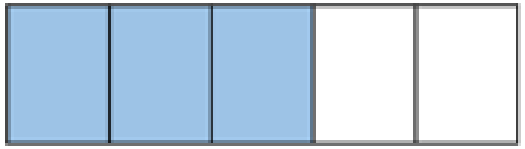
1) How many wholes?



2 wholes



2) What fraction of the shape is shaded?



$\frac{3}{5}$

3) Draw a shape with an area less than 7 squares.

Various answers

4) What is 3,451 + 2,293? 5,744

White Rose Maths

Add 2 or more fractions

MAIN TASK SHEET

1 Complete the additions.

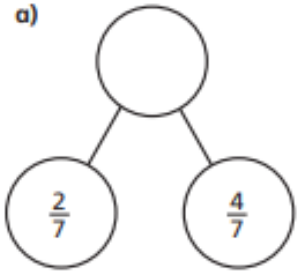
a)  $\frac{1}{5} + \frac{2}{5} = \square$

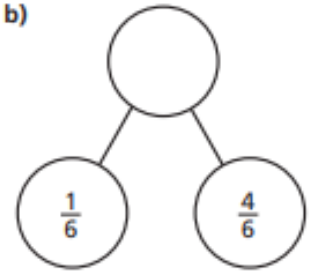
b)  $\frac{1}{5} + \frac{3}{5} = \square$

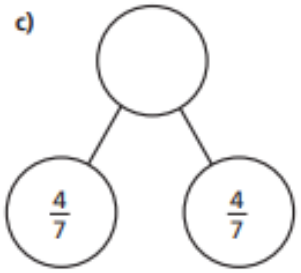
c)  $\frac{3}{8} + \frac{3}{8} = \square$

d)  $\frac{3}{8} + \frac{1}{8} = \square$

2 Complete the part-whole models.

a) 

b) 

c) 

d) Which part-whole model is the odd one out?

Explain your choice to a partner.

Did you both have the same answer?

3 Complete the additions. Give your answer as a mixed number where necessary.

a) $\frac{3}{7} + \frac{3}{7}$

b) $\frac{3}{7} + \frac{4}{7}$

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

d) $\frac{8}{5} + \frac{6}{5}$

e) $\frac{8}{11} + \frac{6}{11}$

f) $\frac{4}{11} + \frac{4}{11} + \frac{6}{11}$

g) $\frac{3}{11} + \frac{3}{11} + \frac{8}{11}$

h) $\frac{3}{7} + \frac{3}{7} + \frac{8}{7}$

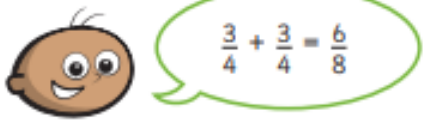
4 $\frac{\square}{4} + \frac{\square}{4} = \frac{9}{4}$

What could the missing numerators be?

Give four different possibilities.

EXTENSION SHEET

5 Tommy is adding fractions.



Explain why Tommy is incorrect.

6 Complete the number sentences.

a) $\frac{3}{8} + \frac{\square}{8} = \frac{7}{8}$

b) $\frac{3}{8} + \frac{\square}{8} = 1$

c) $\frac{3}{16} + \frac{\square}{\square} = 1$

d) $\frac{4}{9} + \frac{\square}{9} = \frac{11}{9} = 1\frac{\square}{9}$

e) $\frac{4}{9} + \frac{\square}{9} = \frac{13}{9} = 1\frac{\square}{9}$

f) $\frac{4}{9} + \frac{\square}{9} = \frac{\square}{9} = 1\frac{7}{9}$

g) $\frac{5}{7} + \frac{\square}{7} + \frac{5}{7} = 2$

h) $\frac{5}{7} + \frac{\square}{7} + \frac{5}{7} = 3$

7 Rosie, Whitney and Teddy have each been for a walk.

Rosie walked $\frac{5}{8}$ km.

Whitney walked $\frac{7}{8}$ km.

Teddy walked $\frac{3}{8}$ km.

a) How far did they walk altogether?

b) Jack also went for a walk.

Altogether the four children walked 3 km.

How far did Jack walk?

Add 2 or more fractions

1 Complete the additions.

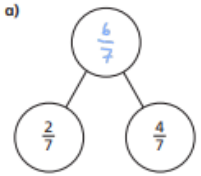
a)  $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

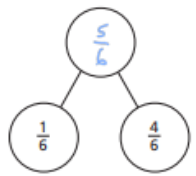
b)  $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$

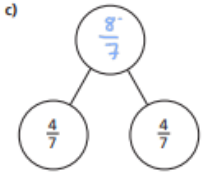
c)  $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$

d)  $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$

2 Complete the part-whole models.

a) 

b) 

c) 

d) Which part-whole model is the odd one out?

Explain your choice to a partner.

Did you both have the same answer?

3 Complete the additions.

a) $\frac{3}{7} + \frac{3}{7} = \frac{6}{7}$

b) $\frac{3}{7} + \frac{4}{7} = \frac{7}{7} = 1$

c) $\frac{4}{5} + \frac{3}{5} = \frac{7}{5} = 1\frac{2}{5}$

d) $\frac{8}{5} + \frac{6}{5} = \frac{14}{5} = 2\frac{4}{5}$

e) $\frac{8}{11} + \frac{6}{11} = \frac{14}{11} = 1\frac{3}{11}$

f) $\frac{4}{11} + \frac{4}{11} + \frac{6}{11} = \frac{14}{11} = 1\frac{3}{11}$

g) $\frac{3}{11} + \frac{3}{11} + \frac{8}{11} = \frac{14}{11} = 1\frac{3}{11}$

h) $\frac{3}{7} + \frac{3}{7} + \frac{8}{7} = \frac{14}{7} = 2$

4 $\frac{\square}{4} + \frac{\square}{4} = \frac{9}{4}$

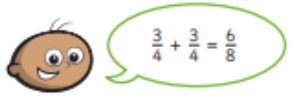
What could the missing numerators be?

Give four different possibilities.

e.g. $\frac{1}{4} + \frac{8}{4} = \frac{9}{4}$ $\frac{3}{4} + \frac{6}{4} = \frac{9}{4}$

$\frac{2}{4} + \frac{7}{4} = \frac{9}{4}$ $\frac{4}{4} + \frac{5}{4} = \frac{9}{4}$

5 Tommy is adding fractions.



Explain why Tommy is incorrect.

He has added the denominators when he shouldn't have. Each whole is split into four quarters so $\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$

6 Complete the number sentences.

a) $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

b) $\frac{3}{8} + \frac{5}{8} = 1$

c) $\frac{3}{16} + \frac{13}{16} = 1$

d) $\frac{4}{9} + \frac{7}{9} = \frac{11}{9} = 1\frac{2}{9}$

e) $\frac{4}{9} + \frac{9}{9} = \frac{13}{9} = 1\frac{4}{9}$

f) $\frac{4}{9} + \frac{12}{9} = \frac{16}{9} = 1\frac{7}{9}$

g) $\frac{5}{7} + \frac{4}{7} + \frac{5}{7} = 2$

h) $\frac{5}{7} + \frac{11}{7} + \frac{5}{7} = 3$

7 Rosie, Whitney and Teddy have each been for a walk.

Rosie walked $\frac{5}{8}$ km.

Whitney walked $\frac{7}{8}$ km.

Teddy walked $\frac{3}{8}$ km.

a) How far did they walk altogether? $1\frac{3}{8}$ km

b) Jack also went for a walk.

Altogether the four children walked 3 km.

How far did Jack walk? $1\frac{1}{8}$ km

Year 4 Maths
16.06.20

LO: To be able to subtract fractions

You can watch the White Rose video or visit BBC Bitesize

https://whiterosemaths.com/homelearning/year-4/

https://www.bbc.co.uk/bitesize/articles/zdx3rj6

We are working behind so please select **w/c 01/06**

Please complete the worksheet in your book.

Starter

Flashback 4

Year 4 | Week 6 | Day 2

1) Write the next two fractions in the sequence.

$\frac{1}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{7}{10}$, ___ , ___

2) What fraction is shaded?

3) Which shape has the larger area?

4) Subtract 386 from 1,202

White Rose Maths

Flashback 4

Year 4 | Week 6 | Day 2

1) Write the next two fractions in the sequence.

$\frac{1}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{7}{10}$, $\frac{9}{10}$, $\frac{11}{10}$

2) What fraction is shaded?

$\frac{6}{11}$

3) Which shape has the larger area?

B

4) Subtract 386 from 1,202

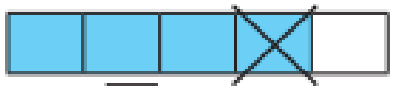
816

White Rose Maths

Subtract 2 fractions

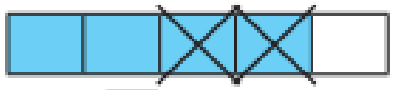
1 Complete the subtractions.

a)



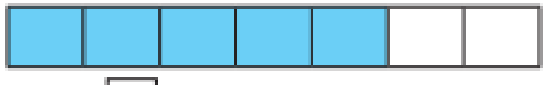
$\frac{4}{5} - \frac{1}{5} = \square$

b)



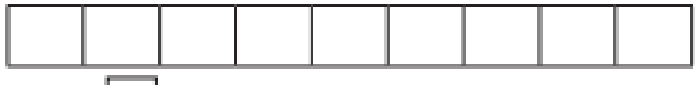
$\frac{4}{5} - \frac{2}{5} = \square$

c)



$\frac{5}{7} - \frac{3}{7} = \square$

d)



$\frac{7}{9} - \frac{4}{9} = \square$

2 Complete the calculations.

a) $\frac{7}{10} - \frac{3}{10}$

b) $\frac{2}{3} - \frac{1}{3}$

c) $\frac{6}{6} - \frac{6}{6}$

d) $\frac{3}{4} - \frac{1}{4}$

e) $\frac{9}{11} - \frac{3}{11}$

f) $\frac{6}{7} - \frac{4}{7}$

g) $\frac{8}{93} - \frac{2}{93}$

h) $\frac{10}{991} - \frac{3}{991}$

3 Complete the subtractions.

Give your answer as a mixed number where necessary.

a) $\frac{9}{5} - \frac{6}{5}$

b) $\frac{9}{5} - \frac{5}{5}$

c) $\frac{9}{5} - \frac{4}{5}$

d) $\frac{9}{2} - \frac{4}{2}$

e) $\frac{8}{3} - \frac{4}{3}$

f) $\frac{11}{3} - \frac{4}{3}$

g) $\frac{14}{3} - \frac{4}{3}$

h) $\frac{15}{3} - \frac{5}{3}$

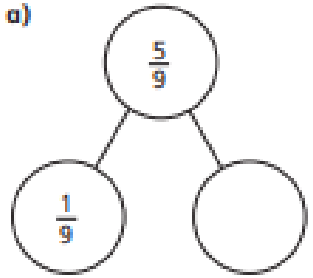
4 Jack has $2\frac{1}{4}$ kg of potatoes.

He uses $\frac{5}{4}$ kg of potatoes.

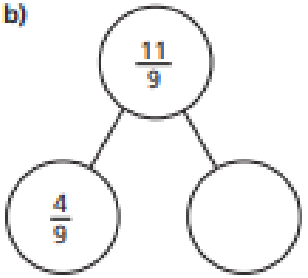
How many kilograms does he have left?

5 Complete the part-whole models.

a)



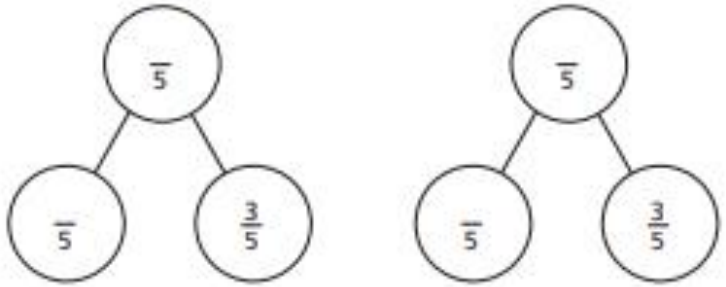
b)



MAIN TASK SHEET

EXTENSION SHEET

6 Complete the part-whole model in two different ways.



7 Fill in the missing numerators.

a) $\frac{10}{11} - \frac{\square}{11} = \frac{7}{11}$

b) $\frac{10}{11} - \frac{\square}{11} = \frac{7}{11} - \frac{4}{11}$

c) $\frac{10}{11} - \frac{4}{11} = \frac{\square}{11} - \frac{7}{11}$

d) $\frac{15}{4} - \frac{\square}{4} = 2$

e) $\frac{9}{4} - \frac{1}{4} = \frac{\square}{4} + 1$

f) $\frac{11}{4} - \frac{3}{4} = \frac{11}{3} - \frac{\square}{3}$

8 Alex and Annie are taking turns playing a computer game.

Annie plays for a total of $2\frac{1}{4}$ hours.

Annie plays for $\frac{3}{4}$ of an hour more than Alex.

How much time do they spend in total playing on the game?

Subtract 2 fractions

1 Complete the subtractions.

a)

$\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$

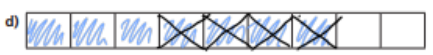
b)

$\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$

c)

$\frac{5}{7} - \frac{3}{7} = \frac{2}{7}$

d)



$\frac{7}{9} - \frac{4}{9} = \frac{3}{9}$

2 Complete the calculations.

a) $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$

b) $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

c) $\frac{6}{6} - \frac{6}{6} = 0$

d) $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$

e) $\frac{9}{11} - \frac{3}{11} = \frac{6}{11}$

f) $\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$

g) $\frac{8}{93} - \frac{2}{93} = \frac{6}{93}$

h) $\frac{10}{991} - \frac{3}{991} = \frac{7}{991}$

3 Complete the subtractions

a) $\frac{9}{5} - \frac{6}{5} = \frac{3}{5}$

b) $\frac{9}{5} - \frac{5}{5} = \frac{4}{5}$

c) $\frac{9}{5} - \frac{4}{5} = \frac{5}{5} = 1$

d) $\frac{9}{2} - \frac{4}{2} = \frac{5}{2} = 2\frac{1}{2}$

e) $\frac{8}{3} - \frac{4}{3} = \frac{4}{3} = 1\frac{1}{3}$

f) $\frac{11}{3} - \frac{4}{3} = \frac{7}{3} = 2\frac{1}{3}$

g) $\frac{14}{3} - \frac{4}{3} = \frac{10}{3} = 3\frac{1}{3}$

h) $\frac{15}{3} - \frac{5}{3} = \frac{10}{3} = 3\frac{1}{3}$

4 Jack has $2\frac{1}{4}$ kg of potatoes.

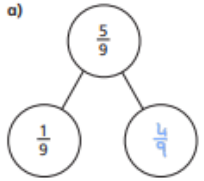
He uses $\frac{5}{4}$ kg of potatoes.

How many kilograms does he have left?

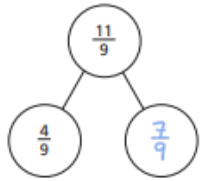
Jack has 1 kg left.

5 Complete the part-whole models.

a)

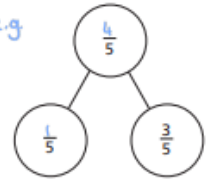


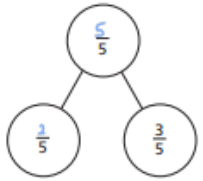
b)



6 Complete the part-whole model in two different ways.

e.g.





7 Fill in the missing numerators.

a) $\frac{10}{11} - \frac{3}{11} = \frac{7}{11}$

b) $\frac{10}{11} - \frac{7}{11} = \frac{7}{11} - \frac{4}{11}$

c) $\frac{10}{11} - \frac{4}{11} = \frac{13}{11} - \frac{7}{11}$

d) $\frac{15}{4} - \frac{7}{4} = 2$

e) $\frac{9}{4} - \frac{1}{4} = \frac{4}{4} + 1$

f) $\frac{11}{4} - \frac{3}{4} = \frac{11}{3} - \frac{5}{3}$

8 Alex and Annie are taking turns playing a computer game.

Annie plays for a total of $2\frac{1}{4}$ hours.

Annie plays for $\frac{3}{4}$ of an hour more than Alex.

How much time do they spend in total playing on the game?

$3\frac{3}{4}$ hours

Year 4 Maths
17.06.20

LO: To calculate fractions of a quantity.

Follow the link to White Rose video or BBC video

https://whiterosemaths.com/homelearning/year-4/

https://www.bbc.co.uk/bitesize/articles/zjtg47h

We are working behind so please select **wk com 01/06**

Please complete the worksheet in your book.

Starter

Flashback 4

Year 4 | Week 6 | Day 3

1) Complete the sequence.

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

2) What is the missing numerator?

$$\frac{2}{3} = \frac{\square}{12}$$

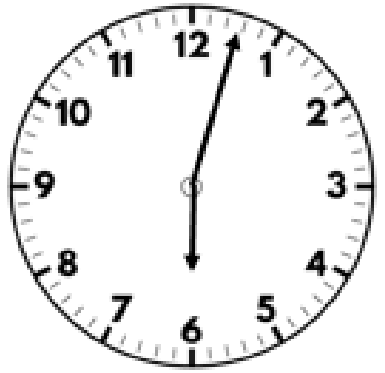
3) What is the area of a rectangle with 3 rows of 2 squares?

4) 1,000 more than _____ is 3,481

White Rose Maths

Flashback 4

Year 4 | Week 6 | Day 3



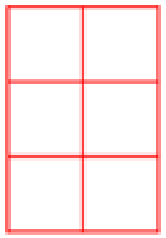
1) Complete the sequence.

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

2) What is the missing numerator?

$\frac{2}{3} = \frac{8}{12}$

3) What is the area of a rectangle with 3 rows of 2 squares?



6 squares

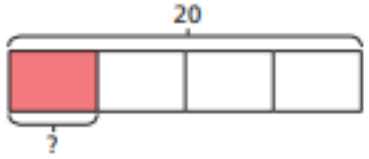
4) 1,000 more than 2,481 is 3,481

Fractions of a quantity

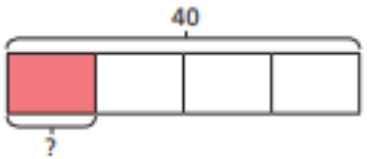
White Rose Maths

1 Complete the number sentences.

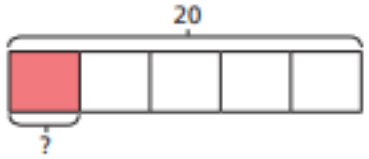
a) $\frac{1}{4}$ of 20 = ☐



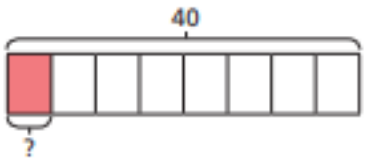
d) $\frac{1}{4}$ of 40 = ☐



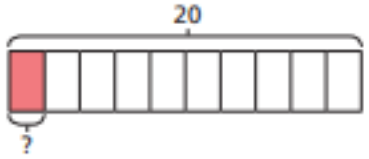
b) $\frac{1}{5}$ of 20 = ☐



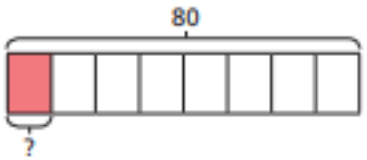
e) $\frac{1}{8}$ of 40 = ☐



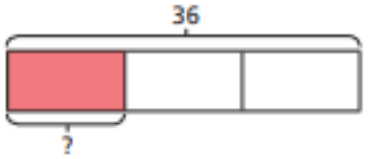
c) $\frac{1}{10}$ of 20 = ☐



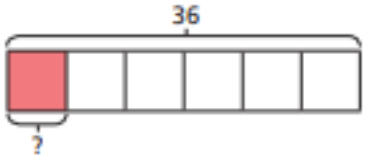
f) $\frac{1}{8}$ of 80 = ☐



g) $\frac{1}{3}$ of 36 = ☐

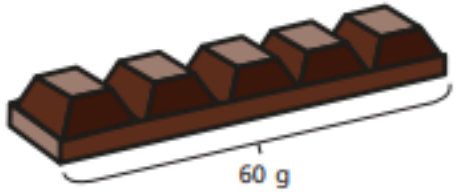


h) $\frac{1}{6}$ of 36 = ☐



2 Filip has a chocolate bar with 5 equal pieces.

The chocolate bar weighs 60 g.



a) What is the mass of one piece?

The mass of one piece is ☐ g.

b) Filip eats $\frac{3}{5}$ of the bar of chocolate.

How many grams does Filip eat?

Filip eats ☐ g of chocolate.

MAIN TASK SHEET

EXTENSION SHEET

3 Complete the number sentences.

a) $\frac{1}{4}$ of 24 = ☐

$\frac{3}{4}$ of 24 = ☐

b) $\frac{1}{7}$ of 35 = ☐

$\frac{3}{7}$ of 35 = ☐

$\frac{5}{7}$ of 35 = ☐

c) $\frac{1}{8}$ of 32 = ☐

$\frac{5}{8}$ of 32 = ☐

d) $\frac{5}{8}$ of 64 = ☐

$\frac{7}{8}$ of 64 = ☐

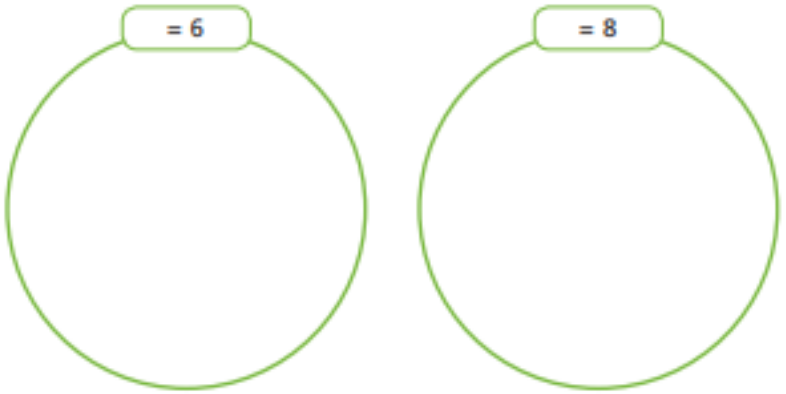
$\frac{10}{8}$ of 64 = ☐

4 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

5 a) Write each calculation in the correct circle.

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



b) Write one more calculation in each circle.

6 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

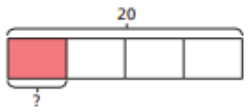
c) $\frac{6}{8}$ of 40 ◯ $\frac{3}{4}$ of 40

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

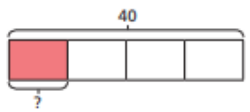
Fractions of a quantity

1 Complete the number sentences.

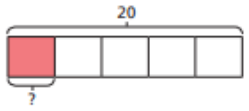
a) $\frac{1}{4}$ of 20 = 5



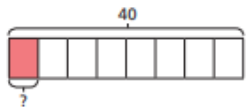
d) $\frac{1}{4}$ of 40 = 10



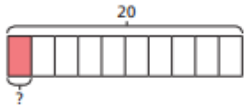
b) $\frac{1}{5}$ of 20 = 4



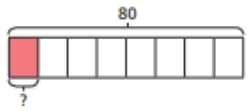
e) $\frac{1}{8}$ of 40 = 5



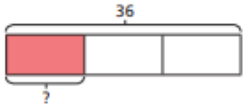
c) $\frac{1}{10}$ of 20 = 2



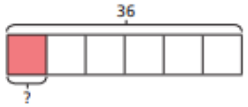
f) $\frac{1}{8}$ of 80 = 10



g) $\frac{1}{3}$ of 36 = 12

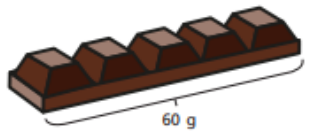


h) $\frac{1}{6}$ of 36 = 6



2 Filip has a chocolate bar with 5 equal pieces.

The chocolate bar weighs 60 g.



a) What is the mass of one piece?

The mass of one piece is 12 g.

b) Filip eats $\frac{3}{5}$ of the bar of chocolate.

How many grams does Filip eat?

Filip eats 36 g of chocolate.

3 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

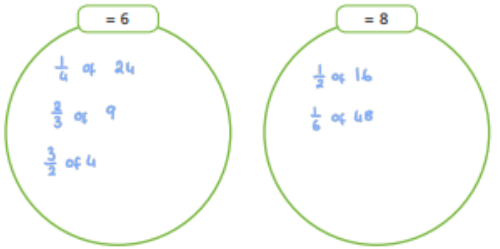
$\frac{10}{8}$ of 64 = 80

4 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

5 a) Write each calculation in the correct circle.

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



b) Write one more calculation in each circle.

6 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

Year 4 Maths
18.06.20

LO: To be able to calculate fractions of quantities

Follow the link to White Rose video or BBC video

https://whiterosemaths.com/homelearning/year-4/
https://www.bbc.co.uk/bitesize/articles/z7pckmn

We are working behind so please select **wk com 01/06**
Please complete the worksheet in your book.

Starter

Flashback 4

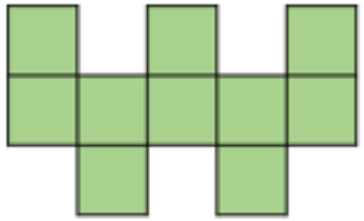
Year 4 | Week 6 | Day 4

1) Find the sum of $\frac{2}{7}$ and $\frac{3}{7}$

2) What is the missing denominator?

$$\frac{3}{5} = \frac{12}{\square}$$

3) What is the area of the shape?



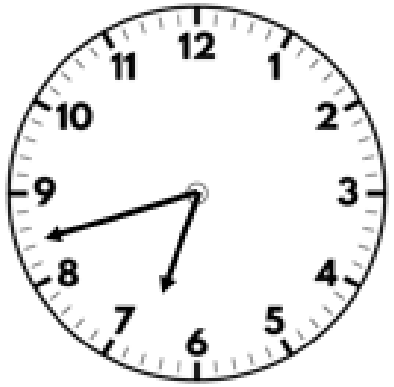
4) Add 392 and 1,509 together.

White Rose Maths

Flashback 4

Year 4 | Week 6 | Day 4

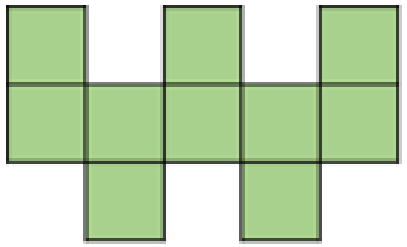
1) Find the sum of $\frac{2}{7}$ and $\frac{3}{7}$ $\frac{5}{7}$



2) What is the missing denominator?

$\frac{3}{5} = \frac{12}{20}$

3) What is the area of the shape?



10 squares

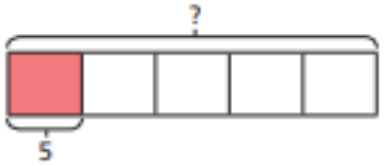
4) Add 392 and 1,509 together. 1,901

Calculate quantities

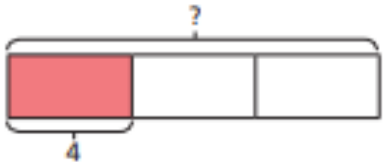
1 Match the calculations to the bar models.

Work out the missing quantities.

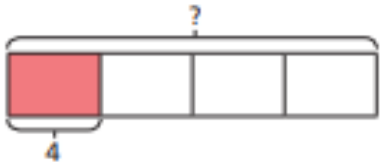
$\frac{1}{4}$ of $\square$ = 5



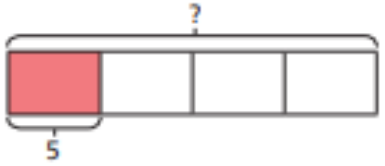
$\frac{1}{4}$ of $\square$ = 4



$\frac{1}{5}$ of $\square$ = 5



$\frac{1}{3}$ of $\square$ = 4



2 Complete the sentences.

a) When one fifth is 1, the whole is $\square$

When one fifth is 10, the whole is $\square$

When one fifth is 20, the whole is $\square$

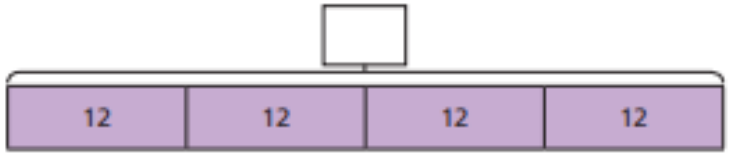
b) When $\frac{1}{7}$ is 2, the whole is $\square$

When $\frac{1}{7}$ is 4, the whole is $\square$

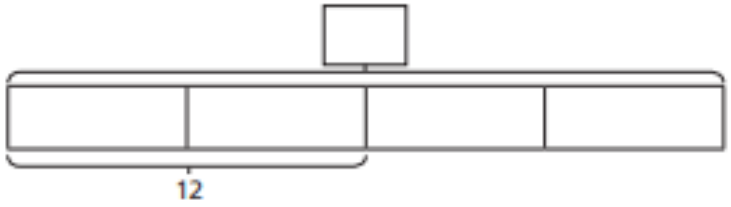
When $\frac{1}{7}$ is 8, the whole is $\square$

3 Complete the bar models and fill in the whole.

a)



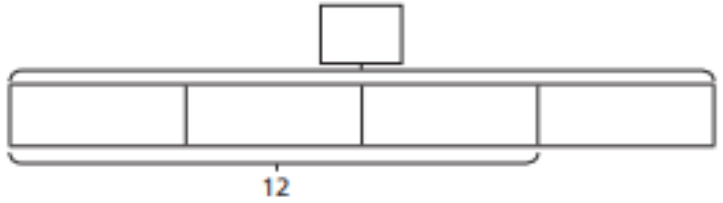
b)



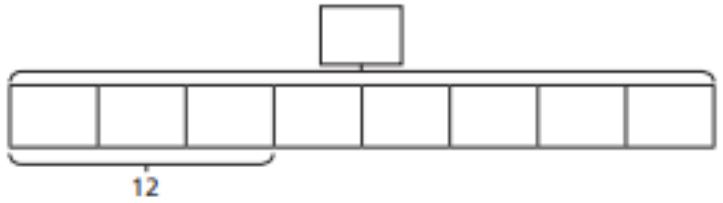
MAIN TASK SHEET

EXTENSION SHEET

c)



d)



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

5 Dora and Mo have a full bottle of juice.

Dora drinks $\frac{2}{5}$ of the juice.

Mo drinks $\frac{1}{5}$ of the juice.

There is 150 ml of juice left in the bottle.

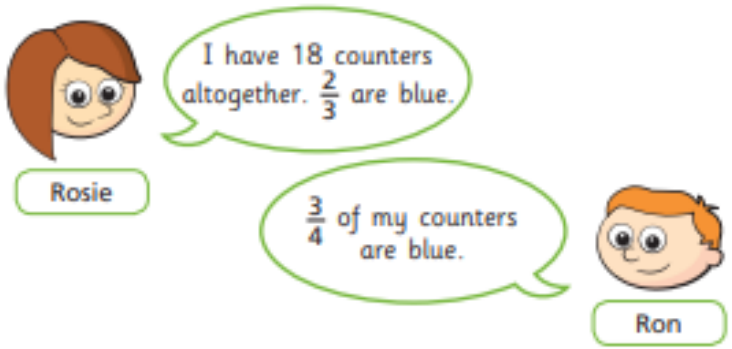
How much juice was in the full bottle?

☐ ml

6 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.

Calculate quantities

1 Match the calculations to the bar models.

Work out the missing quantities.

$\frac{1}{4}$ of [20] = 5

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

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

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

2 Complete the sentences.

a) When one fifth is 1, the whole is [5]

When one fifth is 10, the whole is [50]

When one fifth is 20, the whole is [100]

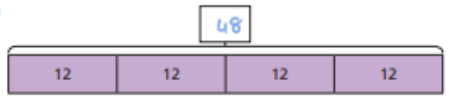
b) When $\frac{1}{7}$ is 2, the whole is [14]

When $\frac{1}{7}$ is 4, the whole is [28]

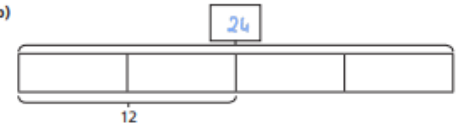
When $\frac{1}{7}$ is 8, the whole is [56]

3 Complete the bar models and fill in the whole.

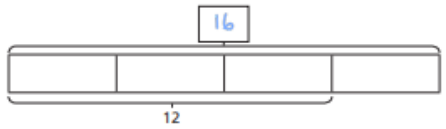
a)



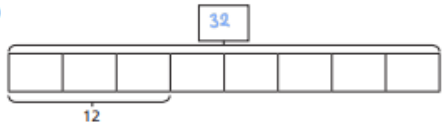
b)



c)



d)



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

5 Dora and Mo have a full bottle of juice.

Dora drinks $\frac{2}{5}$ of the juice.

Mo drinks $\frac{1}{5}$ of the juice.

There is 150 ml of juice left in the bottle.

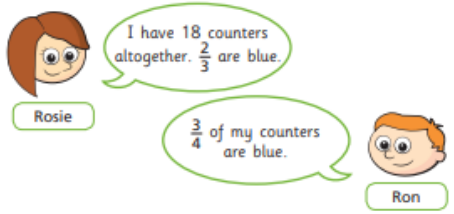
How much juice was in the full bottle?

[375] ml

6 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.

Year 4 Maths
19.06.20

LO: To be able to use my knowledge to solve problems

Follow the link to White Rose video or BBC video

https://whiterosemaths.com/homelearning/year-4/
https://www.bbc.co.uk/bitesize/articles/z966dp3

We are working behind so please select **wk com 01/06**
Please complete the worksheet in your book.

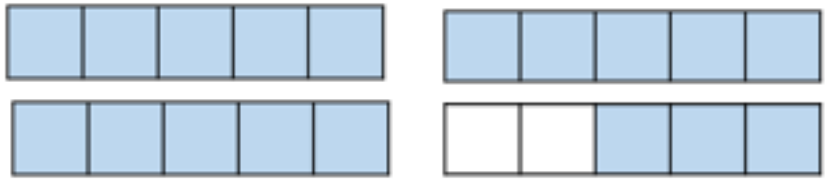
Starter

Flashback 4

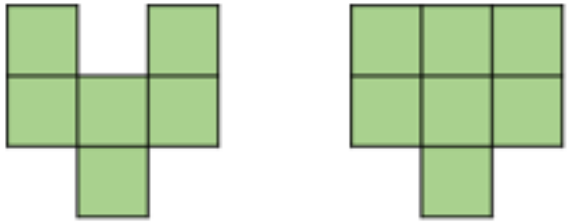
Year 4 | Week 6 | Day 5

1) What is $\frac{5}{9} + \frac{7}{9}$?

2) How many wholes are there?



3) Find the difference in the area of the shapes.



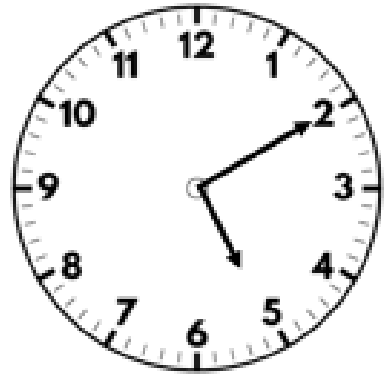
4) Round 472 to the nearest hundred.

White Rose

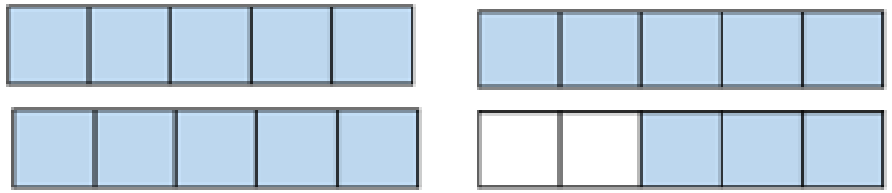
Flashback 4

Year 4 | Week 6 | Day 5

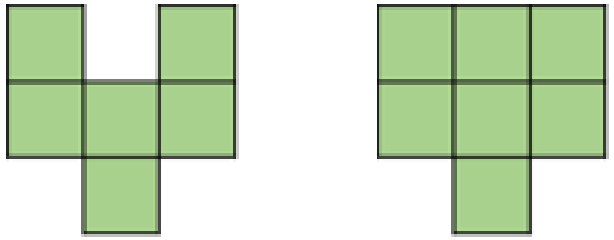
1) What is $\frac{5}{9} + \frac{7}{9}$? $\frac{12}{9}$



2) How many wholes are there? 3



3) Find the difference in the area of the shapes.



1 square

4) Round 472 to the nearest hundred. 500

MAIN TASK SHEET

Challenge 1

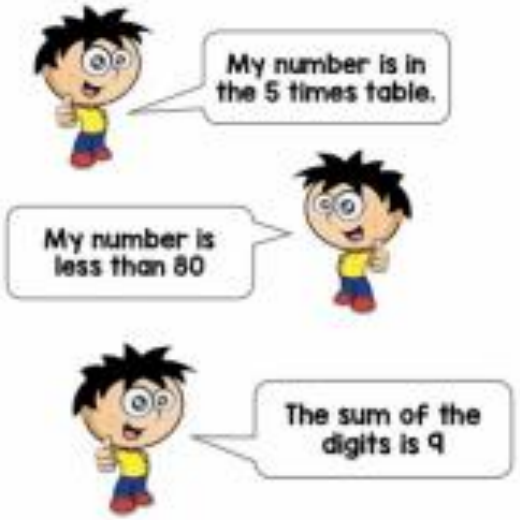
Sol has 20 beads.

She uses some beads to make these two necklaces.

How many beads does she have left?

Challenge 2

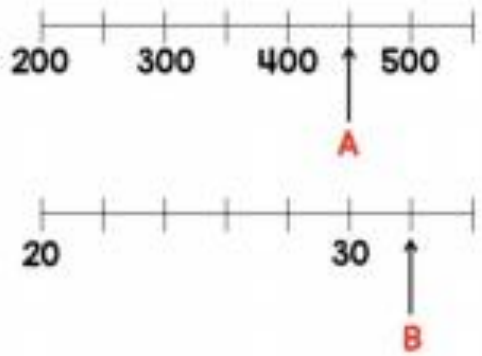
George is thinking of a 2 digit number.



What number is George thinking of?

Challenge 3

Two numbers, A and B, are marked on the number lines.



Find the sum of A and B.

Challenge 4

Max buys a shirt and a jacket.

The jacket costs £25 more than the shirt.

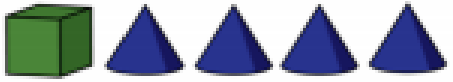
The total cost of the shirt and jacket is £87.

How much does each item cost?

EXTENSION SHEET

Challenge 5

The mass of 1 cube and 4 cones is 110 g.



The mass of 1 cube and 2 cones is 72 g.

What is the mass of 1 cube?

Challenge 6

A plank of wood is 4.6 metres long.

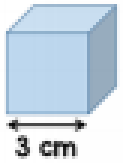
These three lengths of wood are cut from the plank.

1.45 m	88 cm	1630 mm

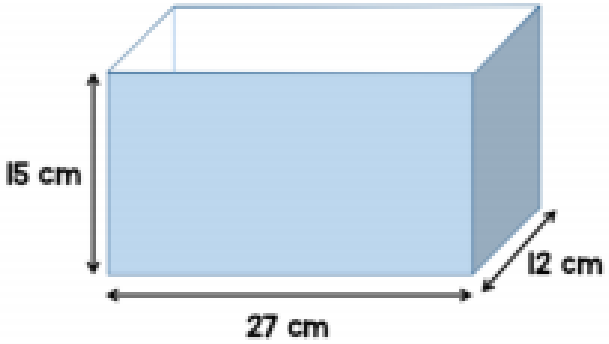
What is the length of the wood left?

Challenge 7

A factory makes these wooden cubes.



They are packed into large boxes.



How many wooden cubes can be packed into one large box?

Challenge 8

Amrit, Beth and Caroline sell cookies.

Amrit sells $\frac{1}{4}$ of the cookies.

Beth sells 30% of the remaining cookies. Beth sells 12 cookies.

Caroline sells the rest.

How many cookies do they sell altogether?

Answers

Challenge 1 - 5 beads

Challenge 2 - 45

Challenge 3 - 482

Challenge 4 - Jacket £56 and Shirt £31

Challenge 5 - 34 g

Challenge 6 - 0.64 m, 64 cm or 640 mm

Challenge 7 - 180 cubes

Challenge 8 - 48 cookies