Maths—Monday

Ordering fractions and counting in fractions on a number line

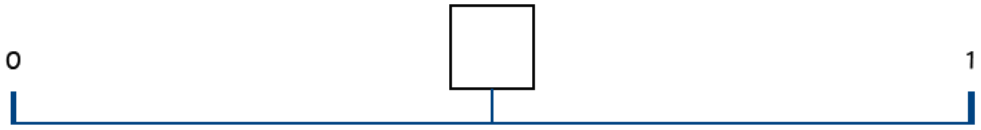
Group B

IXL sections for today are Sections W8—W 11, W14, W20—21

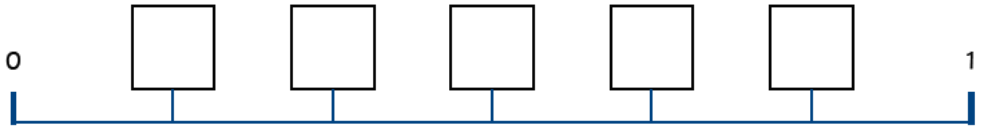
Counting in fractions on a number line

1) The number line has been divided into equal parts. Label each part correctly.

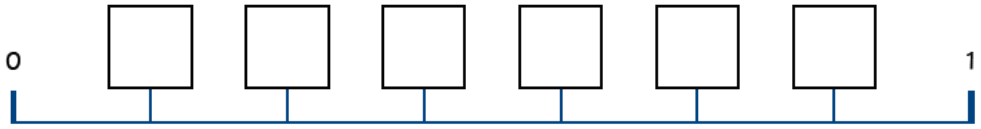
a)



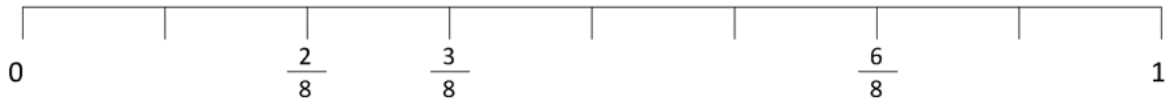
b)



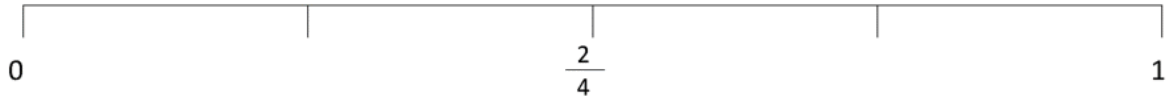
c)



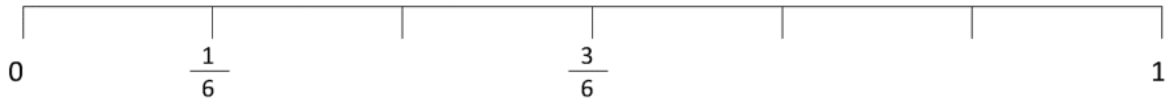
D)



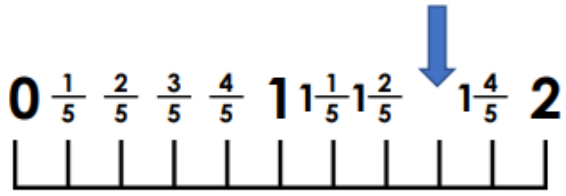
E)



F)



What fraction is the arrow pointing to on this number line?



Challenge

Sergio walked to school.

He stopped to tie his laces $\frac{2}{7}$ of the way there.

Then, he stopped to meet his friend $\frac{4}{7}$ of the way there.

Show Sergio's journey.

Ordering fractions

Order these fractions from the smallest.

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

Order these fractions from the biggest.

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

Order these fractions from smallest to largest.

$\frac{7}{10}$	$\frac{2}{10}$	$\frac{5}{10}$	$\frac{3}{10}$	$\frac{9}{10}$

Maths—Tuesday

Finding unit fractions of an amount

Group B

IXL Section for today is W15

A unit fraction is where the numerator is the number 1, e.g. 1/2, 1/4, 1/7, 1/8

1) Find $^1/_3$ of 18 by sharing out the number equally into the three boxes.

18		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

$^1/_3$ of 18 = 18 ÷ 3 = ___

2) Find $^1/_5$ of 25

25				
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$^1/_5$ of 25 = 25 ÷ 5 = ___

Use your division facts to find fractions of these amounts.

1) $^1/_3$ of 21 = 21 ÷ 3 = 7

2) ¼ of 20 = 20 ÷ 4 = ___

3) $^1/_6$ of 12 = 12 ÷ 6 = ___

4) $^1/_7$ of 35 = 35 ÷ 7 = ___

5) $^1/_5$ of 40 = 40 ÷ 5 = ___

6) $^1/_9$ of 27 = 27 ÷ 9 = ___

7) $^1/_{10}$ of 60 = 60 ÷ 10 = ___

8) $^1/_3$ of 30 = 30 ÷ 3 = ___

Challenge

Amber scattered a packet of 24 Smarties on her desk to see how many blue ones there were. Below is a list of what was in the packet. Shade them as shown:

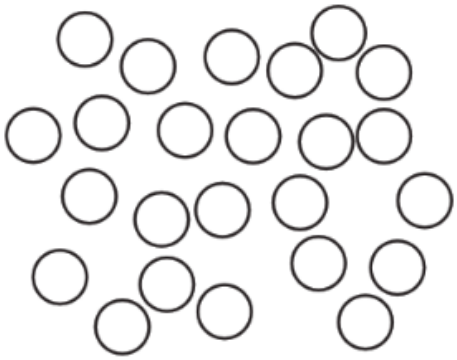
a $\frac{1}{4}$ were red = ☐

b $\frac{1}{8}$ were pink = ☐

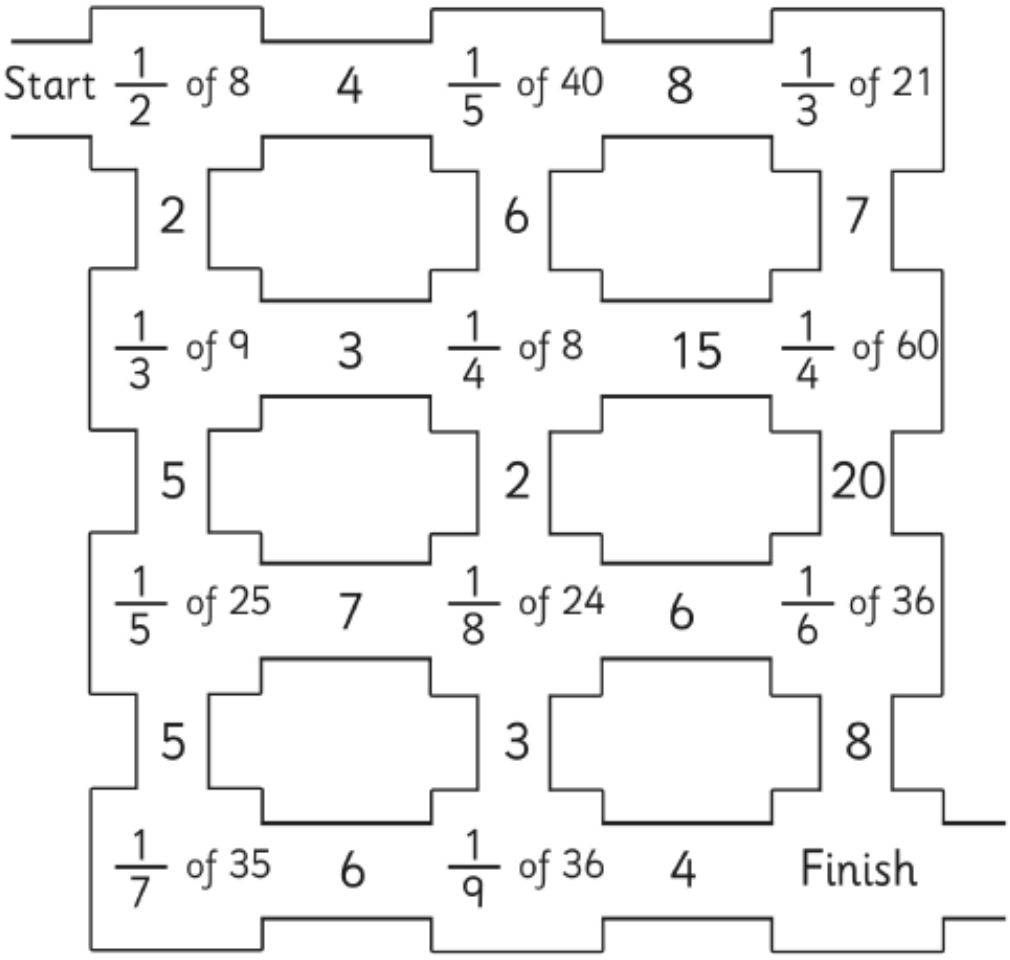
c $\frac{1}{3}$ were yellow = ☐

d $\frac{1}{6}$ were green = ☐

e The rest were blue. How many were blue? ☐



Find your way through the maze by finding the answers to the fraction questions



Maths—Wednesday

Finding non-unit fractions of amounts

Group B

Instead of IXL today, go to the BBC Bitesize website

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

Find $^2/_3$ of 18.

18		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
6	6	6

$^1/_3$ of 18 = 18 ÷ 3 = 6

$^2/_3$ of 18 = (18 ÷ 3) x 2 = 12

1) Find $^3/_5$ of 25

25				
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$^1/_5$ of 25 = 25 ÷ 5 = ____

$^3/_5$ of 25 = (25 ÷ 5) x 3 = ____

2) Find $^5/_8$ of 32

32							
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$^1/_8$ of 32 = 32 ÷ 8 = ____

$^5/_8$ of 32 = (32 ÷ 8) x 5 = ____

$40 \div 10 =$ ☐, so

$\frac{1}{10}$ of 40 is ☐

$\frac{7}{10}$ of 40 is ☐

$\frac{3}{10}$ of 40 is ☐

$40 \div 8 =$ ☐, so

$\frac{1}{8}$ of 40 is ☐

$\frac{5}{8}$ of 40 is ☐

$\frac{8}{8}$ of 40 is ☐

Challenge

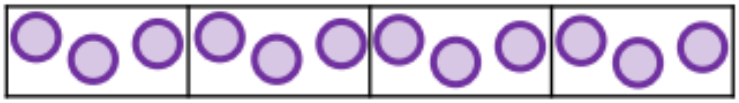
Find $\frac{2}{5}$ of Eva's marbles.

I have divided the marbles into ☐ equal groups.

There are ☐ marbles in each group.

$\frac{2}{5}$ of Eva's marbles is ☐ marbles.

Dexter has used a bar model and counters to find $\frac{3}{4}$ of 12



Use Dexter's diagram to work out 3/4 of 12.

Maths—Thursday

Solving fraction word problems

Group B

IXL sections for today are Sections W16-18

Don't forget to Read the question carefully, Understand the answer you need to find, choose the correct Calculation, Solve the calculation, give the Answer and Check your work.

1) 

There are a total of 20 clownfish and angelfish in a tank.
¼ of the fish are angelfish.
How many of each type of fish are there?

There are _____ angelfish and _____ clownfish.

2) 

Newton swims a total of 12 lengths. He swims a third of the lengths on his front and the rest on his back.
How many lengths does he swim on his front?

He swims _____ lengths on his front.

3) 

There are 30 people on a train. A fifth of the people get off at the next stop. How many get off the train?

_____ people get off the train.

4) 

Captain has some gold and silver coins. He has 24 coins in all. ⅙ of his coins are gold and the rest are silver.
How many of each sort of coin does he have?

He has _____ gold and _____ silver coins.

5) 

Sally and Newton go fishing and catch 12 fish. Sally catches ¾ of the fish. How many does Newton catch?

Newton catches _____ fish.

Challenge

1. In a bag of marbles, there are 16 marbles. 3/4 are blue. How many blue marbles are there?

2. On a bus there are 12 passengers. 2/3 are children. How many children are there?

3. I am given £20 for my birthday, but spend 3/4 – how much did I spend?

4. In the classroom there are 18 children. 2/3 like maths. How many children like maths?

Hint: remember to divide the big number by the bottom number (denominator). Then multiply your answer by the top number (numerator).

Maths—Friday

Adding and subtracting fractions

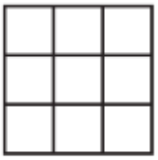
Group B

IXL for today is Section Y

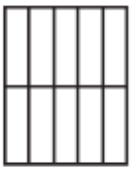
Shade the shapes to help you answer the problems:

a 

$\frac{1}{3} + \frac{1}{3} = \frac{\square}{\square}$

b 

$\frac{3}{9} + \frac{3}{9} = \frac{\square}{\square}$

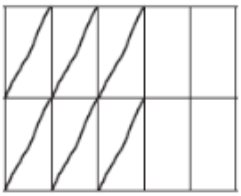
c 

$\frac{4}{10} + \frac{3}{10} = \frac{\square}{\square}$

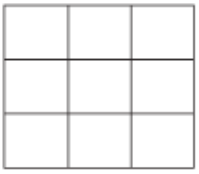
d 

$\frac{3}{8} + \frac{2}{8} = \frac{\square}{\square}$

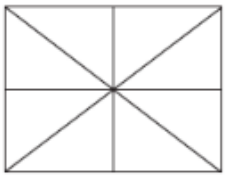
Find answers to these subtraction problems. The first one has been done for you.

a 

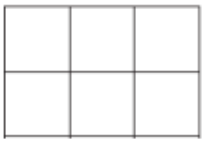
$\frac{10}{10} - \frac{6}{10} = \frac{4}{10}$

b 

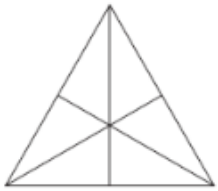
$\frac{9}{9} - \frac{8}{9} = \frac{\square}{\square}$

c 

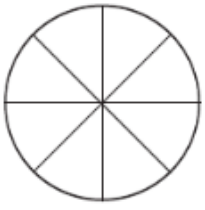
$\frac{8}{8} - \frac{4}{8} = \frac{\square}{\square}$

d 

$\frac{6}{6} - \frac{2}{6} = \frac{\square}{\square}$

e 

$\frac{6}{6} - \frac{2}{6} = \frac{\square}{\square}$

f 

$\frac{8}{8} - \frac{6}{8} = \frac{\square}{\square}$

Don't forget to check if you need to add or subtract.

1) $\frac{2}{5} + \frac{1}{5} = \frac{\quad}{5}$

2) $\frac{3}{6} - \frac{2}{6} = \frac{\quad}{6}$

3) $\frac{2}{7} + \frac{4}{7} = \frac{\quad}{7}$

4) $\frac{1}{8} + \frac{2}{8} = \frac{\quad}{8}$

5) $\frac{3}{5} - \frac{1}{5} = \frac{\quad}{5}$

6) $\frac{5}{10} - \frac{4}{10} = \frac{\quad}{10}$

7) $\frac{2}{9} + \frac{3}{9} =$

8) $\frac{6}{11} - \frac{3}{11} =$

9) $\frac{9}{20} - \frac{2}{20} =$

10) $\frac{1}{7} + \frac{4}{7} =$

Word problems

Read the question carefully and write out the fraction or addition number sentences as well as the answer.

1. If Mr Riddoch reads 2/5 of his book, what fraction of his book has he got left to read?

2. Mrs Ishojer ate 2/8 of a packet of biscuits and then Mrs Breach ate 4/8 of the packet. What fraction of the packet did they eat altogether?

3. 1/6 of the class is playing on the Pod. Then another 3/6 of the class join in. What fraction of the class is now on the Pod?

4. Mr Jackson has served 14/20 of the school dinners for Year 3. What fraction has he got left to serve?