Class 3 Home Learning, week beginning 18th May 2020

Maths - Year 3

Summer Term, Week 2
(w/c 27 April)

Lesson 3

Challenge 1: more practise of adding and subtracting fractions

Challenge 2: problem solving (the first two questions are linked to fractions)

Today's video is linked to the problem solving.

For all of you who are (or not?!) loving fractions, this is the last week for a little while... :-)

w/b 18.5.20 Class 3's Home Learning, Maths (Y3)

Can I add and subtract fractions?

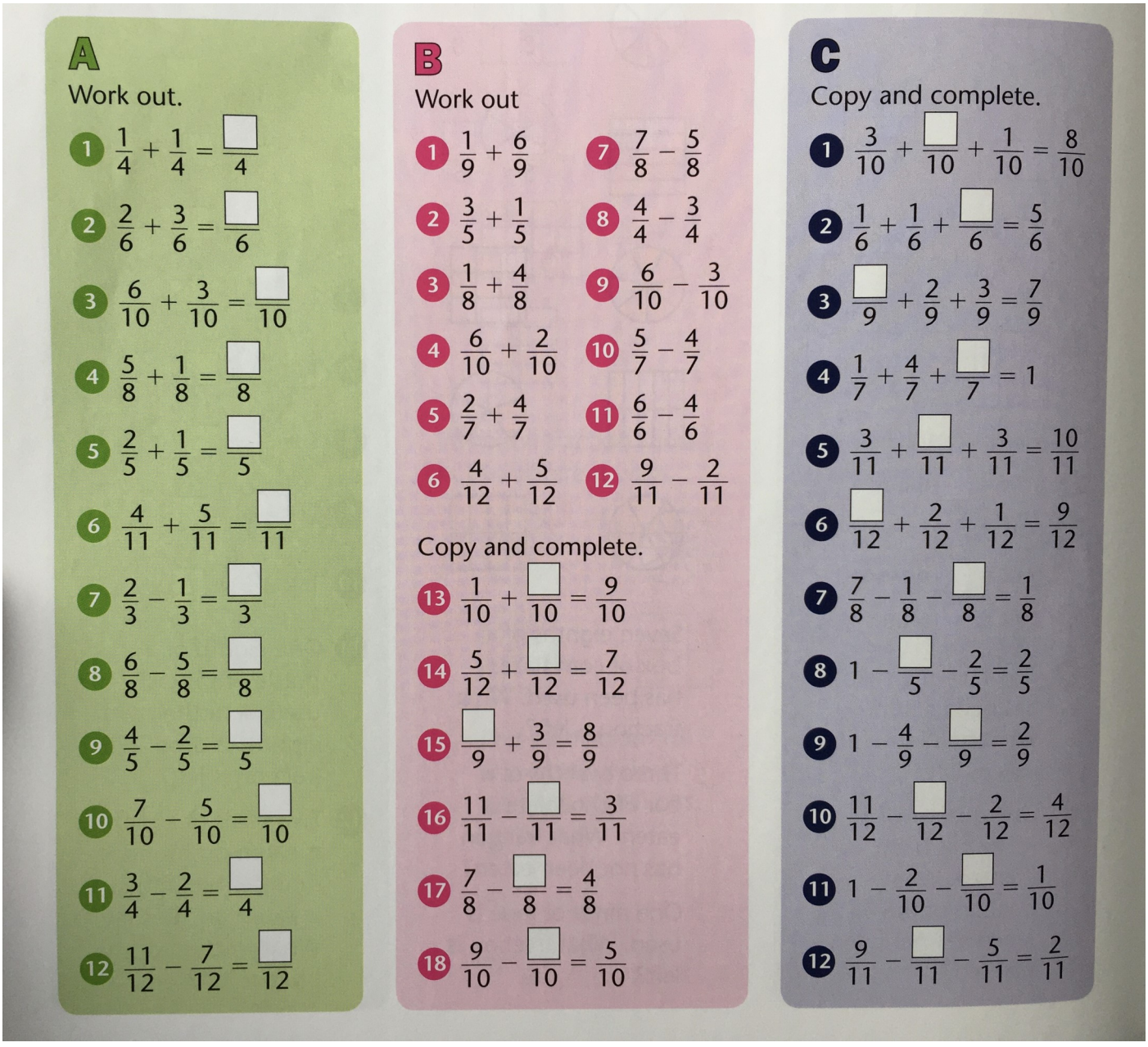
Challenge 1

This page does not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the challenge you choose and the question number too!

Choose Challenge A, B or C.

Copy and complete the questions in your maths book.

If it helps, draw a bar model for each question.



A

Work out.

1. $\frac{1}{4} + \frac{1}{4} = \frac{\square}{4}$
2. $\frac{2}{6} + \frac{3}{6} = \frac{\square}{6}$
3. $\frac{6}{10} + \frac{3}{10} = \frac{\square}{10}$
4. $\frac{5}{8} + \frac{1}{8} = \frac{\square}{8}$
5. $\frac{2}{5} + \frac{1}{5} = \frac{\square}{5}$
6. $\frac{4}{11} + \frac{5}{11} = \frac{\square}{11}$
7. $\frac{2}{3} - \frac{1}{3} = \frac{\square}{3}$
8. $\frac{6}{8} - \frac{5}{8} = \frac{\square}{8}$
9. $\frac{4}{5} - \frac{2}{5} = \frac{\square}{5}$
10. $\frac{7}{10} - \frac{5}{10} = \frac{\square}{10}$
11. $\frac{3}{4} - \frac{2}{4} = \frac{\square}{4}$
12. $\frac{11}{12} - \frac{7}{12} = \frac{\square}{12}$

B

Work out

1. $\frac{1}{9} + \frac{6}{9}$
2. $\frac{3}{5} + \frac{1}{5}$
3. $\frac{1}{8} + \frac{4}{8}$
4. $\frac{6}{10} + \frac{2}{10}$
5. $\frac{2}{7} + \frac{4}{7}$
6. $\frac{4}{12} + \frac{5}{12}$
7. $\frac{7}{8} - \frac{5}{8}$
8. $\frac{4}{4} - \frac{3}{4}$
9. $\frac{6}{10} - \frac{3}{10}$
10. $\frac{5}{7} - \frac{4}{7}$
11. $\frac{6}{6} - \frac{4}{6}$
12. $\frac{9}{11} - \frac{2}{11}$

Copy and complete.

13. $\frac{1}{10} + \frac{\square}{10} = \frac{9}{10}$
14. $\frac{5}{12} + \frac{\square}{12} = \frac{7}{12}$
15. $\frac{\square}{9} + \frac{3}{9} = \frac{8}{9}$
16. $\frac{11}{11} - \frac{\square}{11} = \frac{3}{11}$
17. $\frac{7}{8} - \frac{\square}{8} = \frac{4}{8}$
18. $\frac{9}{10} - \frac{\square}{10} = \frac{5}{10}$

C

Copy and complete.

1. $\frac{3}{10} + \frac{\square}{10} + \frac{1}{10} = \frac{8}{10}$
2. $\frac{1}{6} + \frac{1}{6} + \frac{\square}{6} = \frac{5}{6}$
3. $\frac{\square}{9} + \frac{2}{9} + \frac{3}{9} = \frac{7}{9}$
4. $\frac{1}{7} + \frac{4}{7} + \frac{\square}{7} = 1$
5. $\frac{3}{11} + \frac{\square}{11} + \frac{3}{11} = \frac{10}{11}$
6. $\frac{\square}{12} + \frac{2}{12} + \frac{1}{12} = \frac{9}{12}$
7. $\frac{7}{8} - \frac{1}{8} - \frac{\square}{8} = \frac{1}{8}$
8. $1 - \frac{\square}{5} - \frac{2}{5} = \frac{2}{5}$
9. $1 - \frac{4}{9} - \frac{\square}{9} = \frac{2}{9}$
10. $\frac{11}{12} - \frac{\square}{12} - \frac{2}{12} = \frac{4}{12}$
11. $1 - \frac{2}{10} - \frac{\square}{10} = \frac{1}{10}$
12. $\frac{9}{11} - \frac{\square}{11} - \frac{5}{11} = \frac{2}{11}$

w/b 18.5.20 Class 3's Home Learning, Maths (Y3)

Can I add and subtract fractions?

Challenge 2

This page does not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

1 The jug is $\frac{4}{7}$ full.

It needs 72 ml more to be full.

How much water can the jug hold in total?

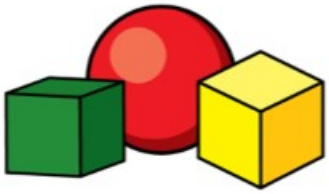
2 A box is full of spheres and cubes.

$\frac{5}{6}$ of the shapes are cubes.

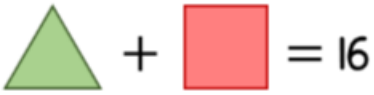
$\frac{3}{4}$ of the cubes are yellow.

There are 60 yellow cubes in the box.

How many shapes are there in total?



3 Complete the calculations.



4 An apple and banana cost the same as two pears.

Three pears cost £1.20

A pear costs 12p more than an apple.

What is the cost of a banana?

Answers for all of the above questions can be found on the White Rose Home Learning website.