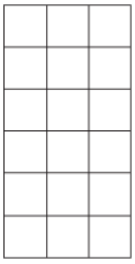
Day 1

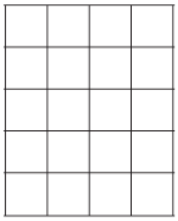
1.

Shade the given fraction for each shape:

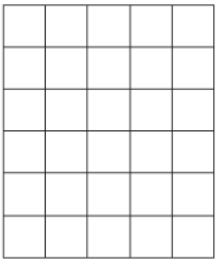
a $\frac{8}{18}$



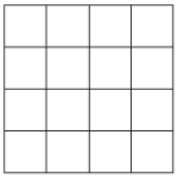
b $\frac{17}{20}$



c $\frac{12}{30}$

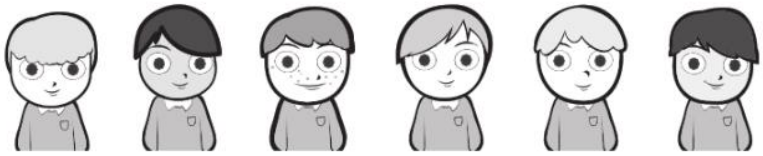


d $\frac{12}{16}$



2.

Complete this picture to show that $\frac{2}{3}$ of these boys are wearing hats:



3.

Answer these cube problems:

a Amy connected 8 cubes. $\frac{1}{2}$ were green, $\frac{1}{4}$ were red and the rest were blue.

How many were blue? ☐ Green: $\frac{1}{2}$ of 8 = ☐ Red: $\frac{1}{4}$ of 8 = ☐

b Joel connected 16 cubes. $\frac{1}{2}$ were blue, $\frac{1}{4}$ were orange and the rest were purple.

How many were purple? ☐ Blue: $\frac{1}{2}$ of 16 = ☐ Orange: $\frac{1}{4}$ of 16 = ☐

c Natalie connected 20 cubes. $\frac{1}{4}$ were yellow, $\frac{1}{5}$ were green and the rest were orange.

How many were orange? ☐ Yellow: $\frac{1}{4}$ of 20 = ☐ Green: $\frac{1}{5}$ of 20 = ☐

Day 2

1.

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

2) $\frac{3}{10} + \frac{6}{10} = \frac{\square}{\square}$

3) $\frac{1}{4} + \frac{1}{4} = \frac{\square}{\square}$

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

5) $\frac{1}{9} + \frac{1}{9} = \frac{\square}{\square}$

6) $\frac{2}{12} + \frac{7}{12} = \frac{\square}{\square}$

2.

1) $\frac{6}{7} - \frac{3}{7} = \frac{\square}{\square}$

2) $\frac{2}{12} - \frac{1}{12} = \frac{\square}{\square}$

3) $\frac{4}{11} - \frac{2}{11} = \frac{\square}{\square}$

4) $\frac{3}{9} - \frac{1}{9} = \frac{\square}{\square}$

5) $\frac{4}{12} - \frac{1}{12} = \frac{\square}{\square}$

6) $\frac{8}{10} - \frac{7}{10} = \frac{\square}{\square}$

3.

1. Steve and Jen are sharing a pizza. Steve has 3/8 and Jen has 2/8. How much of the pizza have they eaten altogether?

   _____

2. 2/6 of the class like football and 1/6 of the class like basketball? What fraction of the class don't like either?

   _____

3. 4/10 of the books were handed out in the morning and 3/10 of the books were handed out in the afternoon. What fraction of the books still needed to be handed out?

   _____

4. Pete and Fred share a pizza. Pete has 2/5 and Fred has 2/5/What fraction of the pizza is left for Helan?

   _____

5. Steve and Jen are sharing a cake. Jen has 3/8 and Mark has 2/8. How much of the pizza have they eaten altogether?

   _____

Day 3

1. **True or False?**

$\frac{1}{3}$ of the shape is shaded.

Answer here

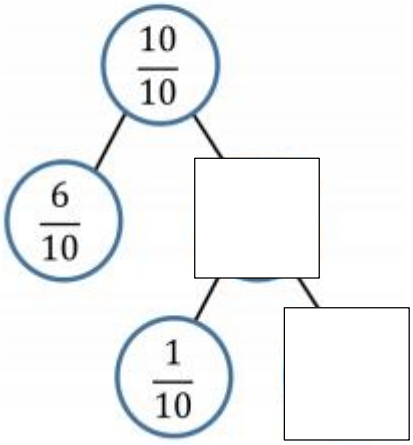
2. Teddy says,

I have one pizza cut into 6 equal pieces. I have eaten $\frac{6}{6}$ of the pizza.

Does Teddy have any pizza left?
Explain your answer.

Answer here

3. Fill in the missing values.
Explain how you got your answers.



Answer here

4. Whitney has 12 chocolates.

On Friday, she ate $\frac{1}{4}$ of her chocolates and gave one to her mum.

On Saturday, she ate $\frac{1}{2}$ of her remaining chocolates, and gave one to her brother.

On Sunday, she ate $\frac{1}{3}$ of her remaining chocolates.

How many chocolates does Whitney have left?

Answer here

5. Rosie and Whitney are solving:

$$\frac{4}{7} + \frac{2}{7}$$

Rosie says,

The answer is $\frac{6}{7}$

Whitney says,

The answer is $\frac{6}{14}$

Who do you agree with?
Explain why.

Answer here

6. Find the missing fractions:

$$\frac{7}{7} - \frac{3}{7} = \frac{2}{7} + \frac{\square}{7}$$

$$\frac{\square}{9} - \frac{5}{9} = \frac{4}{9} - \frac{2}{9}$$

Answer here

Year 4 Maths home learning

Answers

Day 1

1. A) any 8 squares coloured
   B) Any 17 squares coloured
   C) Any 12 squares coloured
   D) Any 12 squares coloured

2. 4 boys need hats

3. A) Blue = 2, Green = 4, R = 2
   B) Purple = 4, Blue = 8, Orange = 4
   C) Orange = 11, Yellow = 5, Green = 4

Day 2

1.

1) $\frac{1}{10} + \frac{4}{10} = \frac{5}{10}$

2) $\frac{3}{10} + \frac{6}{10} = \frac{9}{10}$

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

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

5) $\frac{1}{9} + \frac{1}{9} = \frac{2}{9}$

6) $\frac{2}{12} + \frac{7}{12} = \frac{9}{12}$

2.

1) $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$

2) $\frac{2}{12} - \frac{1}{12} = \frac{1}{12}$

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

4) $\frac{3}{9} - \frac{1}{9} = \frac{2}{9}$

5) $\frac{4}{12} - \frac{1}{12} = \frac{3}{12}$

6) $\frac{8}{10} - \frac{7}{10} = \frac{1}{10}$

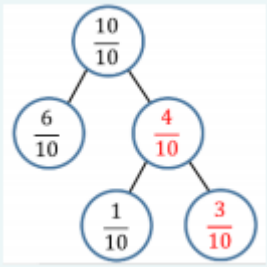
3. a) 5/8 b) 3/6 c) 3/10 d) 1/5 e) 5/8

Year 4 Maths home learning

Day 3

1. False, one quarter is shaded. Ensure when counting the parts of the whole that children also count the shaded part.

2. No because $\frac{6}{6}$ is equal to one whole, so Ted has eaten all of his pizza.

3. 

4. Whitney has two chocolates left.

5. Rosie is correct. Whitney has made the mistake of also adding the denominators.

6. $\frac{7}{7} - \frac{3}{7} = \frac{2}{7} + \frac{2}{7}$

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