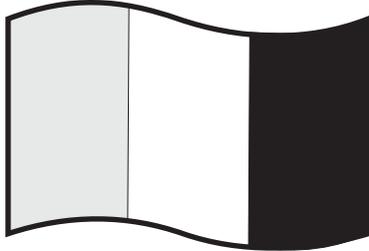


FRACTIONS 3

MARK

8

1. The three sections of the flag below are equal in size.

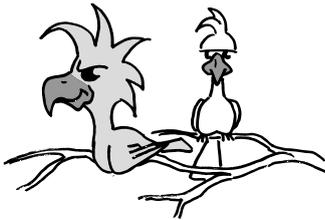


(a) What fraction of the flag is white?

(b) Colour in half the white section red.

(c) What fraction of the flag is red?

2. $3\frac{1}{4}$ kg of birdseed was divided into $\frac{1}{4}$ kg bags. How many of the small bags would there be?



3. (a) How many quarters are in 2?

(b) How many halves are in $5\frac{1}{2}$?

(c) How many thirds are in $4\frac{2}{3}$?

(d) How many eighths are in $3\frac{5}{8}$?

4. Change the following mixed numbers to improper fractions.

Example: $2\frac{3}{4} = \frac{11}{4}$

(a) $3\frac{2}{3}$

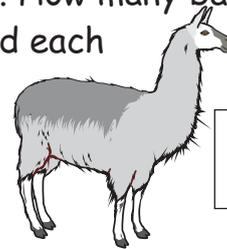
(b) $5\frac{1}{6}$

(c) $4\frac{4}{5}$

(d) $7\frac{5}{8}$

5. A length of material is cut into seven pieces each half a metre long. How long was the original length of material?

6. Emily owns nine llamas. She feeds each llama one quarter of a bale of hay each day. How many bales of hay does she need each day to feed her llamas?



7. Change the following improper fractions to mixed numbers.

Example: $\frac{13}{3} = 4\frac{1}{3}$

(a) $\frac{9}{2}$

(b) $\frac{15}{4}$

(c) $\frac{17}{5}$

(d) $\frac{35}{6}$

8. How many half hour shows could be taped on a 3 hour video tape?

9. It took one quarter of an hour for Jacques to ride his skateboard to school and the same time to ride home.
How many hours would Jacques spend riding his skateboard to school and home in a week?



10. Four people buy two pizzas to share. What fraction of a pizza does each person get?



11. Six oranges are cut into quarters and shared between eight people.
How many quarters does each person get?

12. Three litres of water are needed to fill four drink bottles.
How many litres are in each drink bottle?

13. A baker bought 10 bags of flour. Each bag weighed $6\frac{1}{2}$ kg.
What is the total weight of the 10 bags of flour?

14. A petrol container holds $2\frac{1}{2}$ litres.
How many of these containers would be needed to fill a 20 litre petrol tank?

15. Answer the following problems

(a) $\frac{1}{4} + \frac{1}{2}$

(b) $\frac{5}{8} - \frac{1}{4}$

(c) $2\frac{1}{3} + 3\frac{2}{3}$

(d) $5\frac{1}{2} + 3\frac{3}{4}$

(e) $6 - 4\frac{1}{5}$

(f) $3\frac{3}{8} - 1\frac{5}{8}$

(g) $4\frac{1}{2} \times 6$

(h) $2\frac{1}{3} \times 9$

16. A recipe for breakfast cereal requires $1\frac{1}{2}$ cups of rolled oats, $2\frac{3}{4}$ cups of wheat flakes, 1 cup of puffed rice and $\frac{3}{4}$ cup of sultanas.
How many cups of cereal would this recipe make?

17. Alex grew two pumpkins. One pumpkin was 1 kg heavier than the other and the total weight of the two pumpkins was 4 kg.
What was the weight of each pumpkin?

