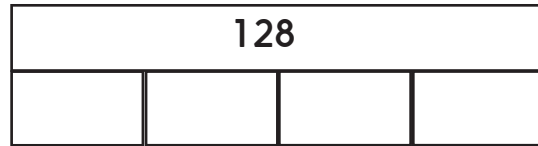


Finding fractions of amounts

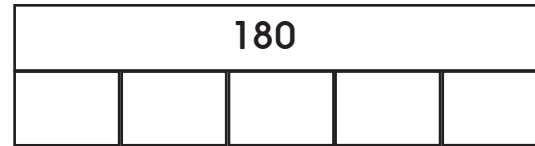
Sheet 2

1.



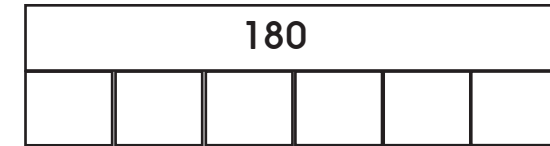
$\frac{3}{4}$ of 128

2.



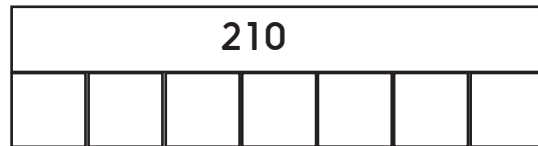
$\frac{2}{5}$ of 180

3.



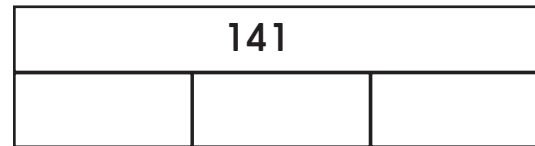
$\frac{5}{6}$ of 180

4.



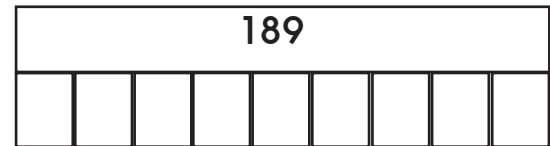
$\frac{6}{7}$ of 210

5.



$\frac{2}{3}$ of 141

6.



$\frac{7}{9}$ of 189

7. $\frac{5}{6}$ of 192

8. $\frac{3}{8}$ of 192

9. $\frac{5}{7}$ of 224

10. $\frac{5}{8}$ of 100

Solving word problems

Sheet 1

1. There are 210 children in a school. There are 7 classes with the same number of children in each class. How many are in each class?
2. School dinners cost £2.25 per child per day. How much does it cost a child for one week of dinners?
3. Out of 148 children having school dinners, $\frac{1}{2}$ chose pasta, $\frac{1}{4}$ chose jacket potatoes and the rest chose curry. How many children chose curry?
4. The area of each classroom is 42m^2 . What is the total area of all 7 classrooms?
5. Of the 120 children in KS2, $\frac{3}{4}$ have got their 25m swimming badge. How many have yet to swim far enough to earn their badge?
6. Children are in school $6\frac{1}{4}$ hours each day. How many hours are they in school during one week of five days?
7. A sponsored spell has raised £280 for wet play games. This will be split evenly between the 7 classes. How much will each class get to spend?

Solving word problems

Sheet 2

1. There are 208 children in a school. 28 are in reception, the rest are split equally between 6 classes. How many are in each class?
2. School dinners cost £2.25 per child per day. How much does it cost a child for 190 days' dinners?
3. Out of 144 children who have school dinners, $\frac{1}{3}$ chose pasta, $\frac{1}{4}$ chose jacket potatoes and the rest chose curry. How many chose curry?
4. The area of each of the 7 classrooms is 42m^2 . The hall has an area of 70m^2 , and the offices and reception area is 18m^2 . If the whole area of the school is 400m^2 , what is the area of the corridor?
5. Of the 120 children in KS2, $\frac{1}{5}$ have not got a swimming badge yet, half of the rest have got their 25m badge, and the remaining children have their 25m badge and 50m badge. How many children have just one badge so far?
6. Children are in school $6\frac{1}{4}$ hours a day. How many hours are they in school in a term of 60 days?
7. A sponsored spell has raised £343 for wet play games. This will be split evenly between the 7 classes. How much will each class get to spend?

Decimals and fractions

Answers

Day 1 Whole class practice Sheet 1

1. $\frac{2}{3} = \frac{4}{6}$, so $\frac{2}{3} > \frac{3}{6}$

2. $\frac{2}{3} = \frac{6}{9}$, so $\frac{2}{3} > \frac{2}{9}$

3. $\frac{1}{5} = \frac{2}{10}$, so $\frac{3}{10} > \frac{1}{5}$

4. $\frac{3}{4} = \frac{6}{8}$, so $\frac{3}{4} < \frac{7}{8}$

5. $\frac{5}{6} = \frac{10}{12}$, so $\frac{5}{6} < \frac{11}{12}$

6. $\frac{3}{5} = \frac{6}{10}$, so $\frac{7}{10} > \frac{3}{5}$

7. $\frac{1}{3} = \frac{4}{12}$, so $\frac{1}{3} < \frac{5}{12}$

8. $\frac{2}{5} = \frac{6}{15}$, so $\frac{2}{5} < \frac{7}{15}$

9. $\frac{7}{10} = \frac{14}{20}$, so $\frac{7}{10} > \frac{13}{20}$

10. $\frac{1}{3} = \frac{3}{15}$, so $\frac{1}{3} > \frac{4}{15}$

11. $\frac{1}{2} = \frac{5}{10}$ and $\frac{2}{5} = \frac{4}{10}$, so $\frac{1}{2} > \frac{2}{5}$

12. $\frac{2}{3} = \frac{10}{15}$ and $\frac{4}{5} = \frac{12}{15}$, so $\frac{2}{3} < \frac{4}{5}$

13. $\frac{1}{2} = \frac{4}{8}$ $\frac{3}{4} = \frac{6}{8}$, so $\frac{1}{2} < \frac{5}{8} < \frac{3}{4}$

14. $\frac{1}{2} = \frac{5}{10}$ $\frac{3}{5} = \frac{6}{10}$, so $\frac{1}{2} < \frac{3}{5} < \frac{7}{10}$

15. $\frac{1}{3} = \frac{5}{15}$ $\frac{2}{5} = \frac{6}{15}$, so $\frac{4}{15} < \frac{1}{3} < \frac{2}{5}$

16. $\frac{7}{10} = \frac{14}{20}$ $\frac{4}{5} = \frac{16}{20}$, so $\frac{7}{10} < \frac{4}{5} < \frac{17}{20}$

Day 2 Find unit fractions of amounts Sheet 1

1. $\frac{1}{5}$ of 150 = 30 2. $\frac{1}{5}$ of 250 = 50 3. $\frac{1}{3}$ of 240 = 80 4. $\frac{1}{3}$ of 126 = 42

5. $\frac{1}{4}$ of 248 = 62 6. $\frac{1}{4}$ of 156 = 39 7. $\frac{1}{6}$ of 126 = 21 8. $\frac{1}{6}$ of 186 = 31

9. $\frac{1}{8}$ of 248 = 31 10. $\frac{1}{8}$ of 176 = 22 11. $\frac{1}{7}$ of 147 = 21 12. $\frac{1}{7}$ of 175 = 25

13. $\frac{1}{9}$ of 279 = 31 14. $\frac{1}{9}$ of 207 = 23 15. $\frac{1}{6}$ of 144 = 24 16. $\frac{1}{8}$ of 144 = 18

Challenge

25 is $\frac{1}{5}$ of 125. 26 is $\frac{1}{7}$ of 182.

Day 3 Finding fractions of amounts Sheet 1

1. $\frac{1}{10}$ of 240 is 24

$\frac{3}{10}$ of 240 is 72

2. $\frac{1}{3}$ of 180 is 60

$\frac{2}{3}$ of 180 is 120

3. $\frac{1}{4}$ of 128 is 32

$\frac{3}{4}$ of 128 is 96

4. $\frac{1}{5}$ of 150 is 30

$\frac{4}{5}$ of 150 is 120

5. $\frac{1}{7}$ of 210 is 30

$\frac{3}{7}$ of 210 is 90

6. $\frac{1}{9}$ of 180 is 20

$\frac{4}{9}$ of 180 is 80