

Fractions of a quantity 27th January 2021

A. Starter activity

Find the difference between

1. $\frac{1}{4}$ of 12 and $\frac{1}{3}$ of 15

4. $\frac{1}{7}$ of 42 and $\frac{1}{4}$ of 36

2. $\frac{1}{5}$ of 45 and $\frac{1}{4}$ of 40

5. $\frac{1}{10}$ of 90 and $\frac{1}{8}$ of 56

3. $\frac{1}{6}$ of 72 and $\frac{1}{3}$ of 54

6. $\frac{1}{5}$ of 100 and $\frac{1}{4}$ of 100

Set out your working-out like this:

1. $12 \div 4 = 3$ $15 \div 3 = 5$

The difference between $5 - 3 = 2$

2. $45 \div 5 = 9$ $40 \div 4 = 10$

$10 - 9 = 1$

3. $72 \div 6 = 12$ $54 \div 3 = 18$

$18 - 12 = 6$

4. $42 \div 7 = 6$ $36 \div 4 = 9$

$9 - 6 = 3$

5. $90 \div 10 = 9$ $56 \div 8 = 7$

$9 - 7 = 2$

6. $100 \div 5 = 20$ $100 \div 4 = 25$

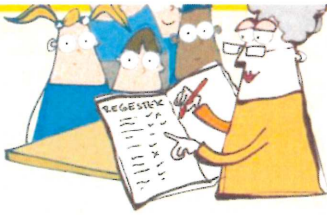
$25 - 20 = 5$

B. Now download your main activity from the P6 Home Learning page - choose one of the two levels

C. Final challenge - can you work out the answers to these word problems? Read each question very carefully please!


1. In a class of 32, $\frac{1}{4}$ are absent. Of those present, $\frac{1}{3}$ are boys. How many girls are present?

$32 \div 4 = 8$
 $32 - 8 = 24$
 $24 \div 3 = 8$
 $24 - 8 = 16$ girls



2. Snappy the crocodile was born with 40 teeth. He lost $\frac{1}{5}$ of his teeth in his first year, and another $\frac{1}{4}$ of those left in the next year. How many teeth does he have left now?

$40 \div 5 = 8$
 $40 - 8 = 32$
 $32 \div 4 = 8$
 $32 - 8 = 24$ teeth now



3. Sarita bought a tin of 60 fruit gums. She kept $\frac{1}{3}$ for herself, gave $\frac{1}{4}$ to her sister and $\frac{1}{5}$ to her brother. How many are left for her mum and dad?

$60 \div 3 = 20$ Sarita
 $60 \div 4 = 15$ sister
 $60 \div 5 = 12$ brother
 $20 + 15 + 12 = 47$ sweets
 $60 - 47 = 13$ sweets for Mum and Dad

