Friday Maths Answers

4 lots of 1/5 = 4/5 **6 lots of 1/3 = 6/3 or 2**

5 lots of 1/10 = 5/10 or 1/2 **6 lots of 1/12 = 6/12 or 1/2**

4 lots of 25 = 100 **3 lots of 9 = 27**

5 lots of 3.5 = 17.5 **6 lots of 0.3 = 1.8**

$18 \times \frac{2}{3} = \frac{2}{3}$ of $18 = 12$ $60 \times \frac{1}{3} = \frac{1}{3}$ of $60 = 20$

Which calculations are easier to multiply the fractions, and which are easier to find the fraction of an amount?
Explain you choice for each one.

$25 \times \frac{3}{5}$ or $\frac{3}{5}$ of 25

$6 \times \frac{2}{3}$ or $\frac{2}{3}$ of 6

$5 \times \frac{3}{8}$ or $\frac{3}{8}$ of 5

Possible response:

1. Children may find it easier to find 3 fifths of 5 rather than multiply 25 by 3
2. Children may choose either as they are of similar difficulty.
3. Children will probably find it easier to multiply than divide 5 by 8

Jamie and Sam are thinking of a two-digit number between 20 and 30

Jamie finds two thirds of the number

Sam multiplies the number by $\frac{2}{3}$

Their new two-digit number has a digit total that is one more than that of their original number

What number did they start with?

Show each step of their calculation.

They started with 24

Jamie:
$24 \div 3 = 8$
$8 \times 2 = 16$

Sam:
$24 \times 2 = 48$
$48 \div 3 = 16$