

Chal-
lenge

Week Commencing 3-

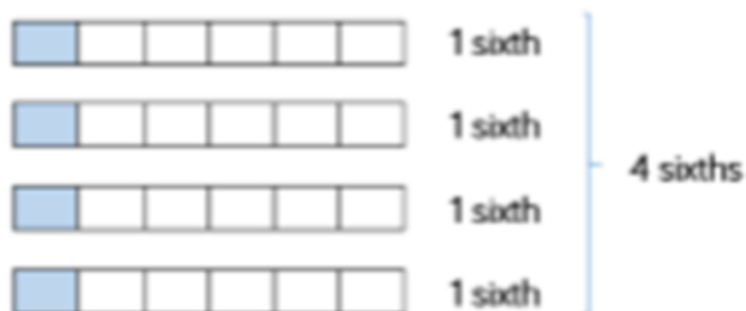
1.6.20



Multiplication is the same as repeated addition and you can see that the denominator remains the same, whilst the numerator is multiplied by the integer.

Work out $\frac{1}{6} \times 4$ by counting in sixths.

$$\frac{1}{6} \times 4 = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$$



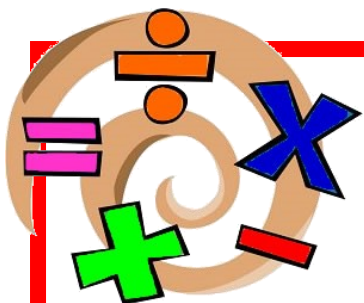
Challenge 1

Use this method to work out:

$$\frac{1}{3} \times 2$$

$$\frac{1}{5} \times 3$$

$$\frac{1}{10} \times 6$$



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Challenge 2 Write answers as mixed numbers if required

Work out the calculations below and put the answers in the boxes.

1. $\frac{1}{2} \times 4 =$

6. $\frac{1}{3} \times 3 =$

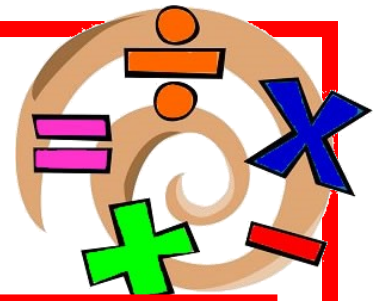
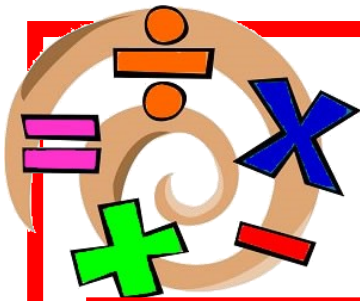
2. $\frac{1}{3} \times 5 =$

7. $\frac{1}{6} \times 5 =$

3. $\frac{1}{4} \times 3 =$

8. $\frac{1}{8} \times 3 =$

REASONING



Ranjit is multiplying fractions by a whole number.



$$\frac{1}{5} \times 5 = \frac{5}{25}$$

Can you explain his mistake?

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Jack runs $2\frac{2}{3}$ miles three times per week.

Josh runs $3\frac{3}{4}$ miles twice a week.

Who runs the furthest during the week?

Explain your answer.

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Finding all possibili-

Use the digit cards to complete the multiplication.



$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$