

Activities of IMPROPER FRACTIONS

Hopefully you now understand all about improper fractions and mixed numbers – if you're not sure, go back and check out the Explanation again.

Try out these activities with your child – but make sure you've tried them yourself first!

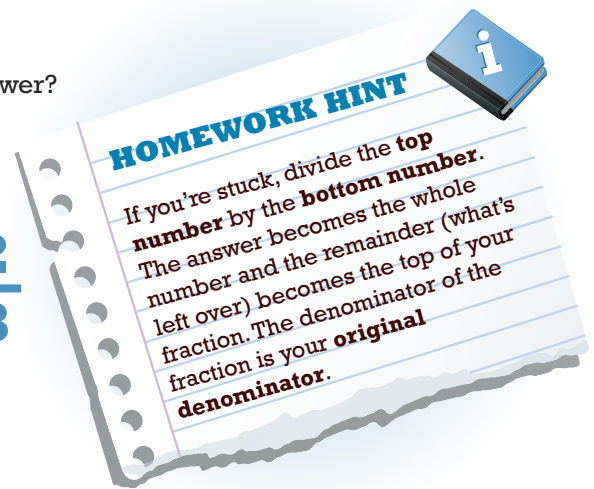
Activity 1

If we change $\frac{11}{3}$ to a mixed number, what is the right answer?

Choose the correct answer from the options below.

$2\frac{2}{3}$ $3\frac{2}{11}$ $3\frac{2}{3}$ $3\frac{2}{8}$

Answer: _____ The answer is on page 3.



Activity 2

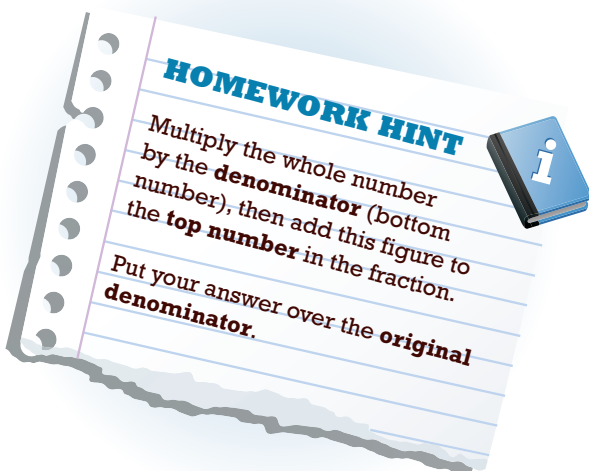
Change this mixed number to an improper fraction:

$4\frac{3}{5}$

Choose the right answer from the options below.

$\frac{7}{5}$ $\frac{12}{5}$ $\frac{20}{3}$ $\frac{23}{5}$

Answer: _____ The answer is on page 3.

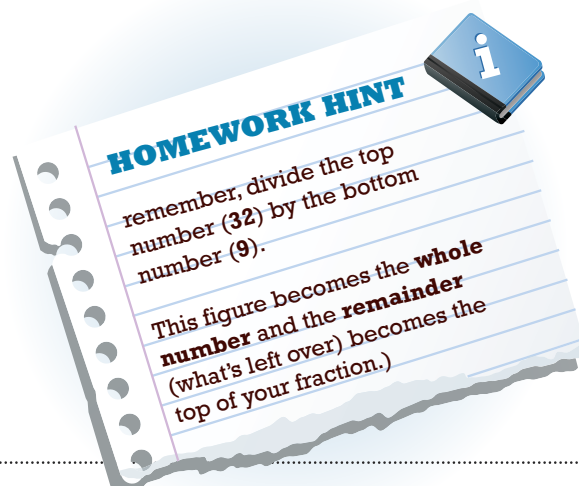


Activity 3

Convert this improper fraction to a mixed number.

$$\frac{32}{9}$$

Answer: _____ The answer is on page 3.

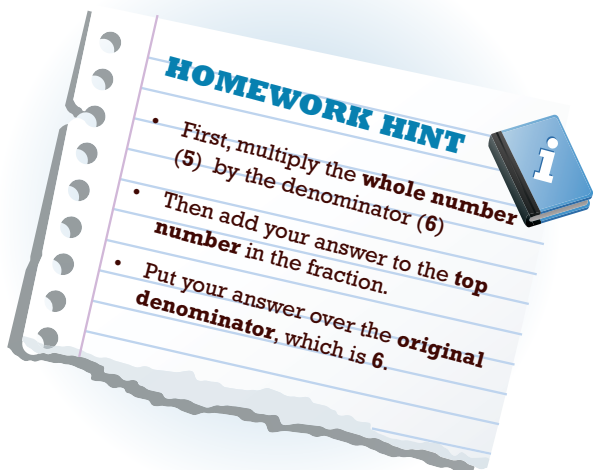


Activity 4

Convert this mixed number to an improper fraction.

$$5\frac{1}{6}$$

Answer: _____ The answer is on page 3.



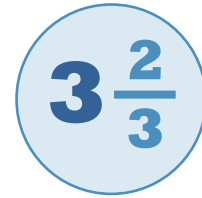
Activities of **EQUIVALENT FRACTIONS**

Answer Sheet

Activity 1

- Divide the numerator (11) by the denominator (3)
- This gives you 3, with 2 left over.
- The 3 becomes the whole number in your mixed number.
- The remainder (2) is the top number in the fraction.
- The bottom number in the fraction is the original denominator (3)
- So the fraction is $\frac{2}{3}$.

Put the two figures together, and you get **the answer, $3\frac{2}{3}$** .


$$3\frac{2}{3}$$

Activity 2

First, multiply the whole number (4) by the bottom number of the fraction (5)

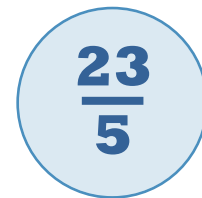
$$4 \times 5 = 20.$$

Add this answer to the numerator (3)

$$20 + 3 = 23.$$

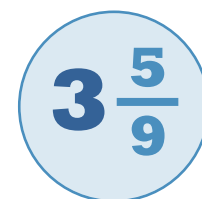
Put this figure over the denominator (5)

This gives you the improper fraction $\frac{23}{5}$.


$$\frac{23}{5}$$

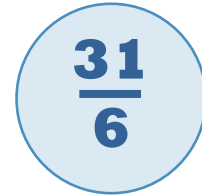
Activity 3

- Divide the top number (32) by the bottom number (9).
- This gives you 3, with 5 left over.
- 3 becomes the whole number in the mixed number.
- The remainder (5) becomes the top number in the fraction.
- The denominator is still 9.
- So the fraction in the mixed number is $\frac{5}{9}$.
- Put the two figures together to get **the answer: $3\frac{5}{9}$** .


$$3\frac{5}{9}$$

Activity 4

- First, multiply the whole number (5) by the denominator (6)
- $5 \times 6 = 30$.
- Add this number (30) to the numerator (1). This gives you 31.
- 31 becomes the new numerator.
- Put your answer over the original denominator (6).
- So the final answer is $\frac{31}{6}$.


$$\frac{31}{6}$$