Corbett maths

Improper Fractions & Mixed Numbers

Videos 139 and 140 on www.corbettmaths.com

Workout

Question 1: Change these improper fractions into mixed numbers

(a) $\frac{7}{3}$ (b) $\frac{7}{5}$ (c) $\frac{5}{2}$ (d) $\frac{8}{7}$ (e) $\frac{5}{3}$

(f) $\frac{10}{3}$ (g) $\frac{23}{2}$ (h) $\frac{11}{4}$ (i) $\frac{11}{8}$ (j) $\frac{9}{4}$

(k) $\frac{13}{10}$ (l) $\frac{13}{6}$ (m) $\frac{16}{7}$ (n) $\frac{51}{10}$ (o) $\frac{34}{11}$

(p) $\frac{29}{12}$ (q) $\frac{60}{11}$ (r) $\frac{47}{15}$ (s) $\frac{101}{9}$ (t) $\frac{99}{20}$

(u) $\frac{12}{9}$ (v) $\frac{35}{10}$ (w) $\frac{18}{4}$ (x) $\frac{50}{6}$ (y) $\frac{40}{15}$

Question 2: Change these mixed numbers into improper fractions

(a) $2\frac{1}{5}$ (b) $3\frac{1}{2}$ (c) $1\frac{3}{4}$ (d) $3\frac{2}{3}$ (e) $1\frac{2}{5}$

(f) $2\frac{4}{7}$ (g) $1\frac{1}{3}$ (h) $2\frac{3}{10}$ (i) $4\frac{3}{4}$ (j) $1\frac{7}{12}$

(k) $3\frac{9}{10}$ (l) $2\frac{3}{50}$ (m) $3\frac{5}{8}$ (n) $8\frac{3}{8}$ (o) $1\frac{14}{32}$

(p) $2\frac{19}{24}$ (q) $12\frac{1}{9}$ (r) $5\frac{4}{15}$ (s) $4\frac{11}{12}$ (t) $13\frac{7}{16}$

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Apply

Question 1: Match up the improper fractions and mixed numbers.

$2\frac{1}{4}$	$2\frac{1}{3}$	$1\frac{3}{4}$	$3\frac{2}{3}$
$\frac{7}{4}$	$\frac{11}{3}$	$\frac{7}{3}$	$\frac{9}{4}$

Question 2: Arrange these improper fractions in order, starting with the smallest.

$$\frac{23}{4}, \frac{37}{7}, \frac{11}{2}$$

Question 3: Write down a mixed number between $3\frac{3}{11}$ and $3\frac{2}{5}$

Question 4: Gregory feeds his cat $\frac{2}{5}$ of a can of cat food each day.

Work out how many cans of cat food are eaten each fortnight.

Give your answer as a mixed number.

Question 5:

13	9	21	5	2

Using the cards, create an improper fraction that is:

(a) between 1 and 2
(b) between 2 and 3
(c) between 4 and 5
(d) between 5 and 10
(e) greater than 10