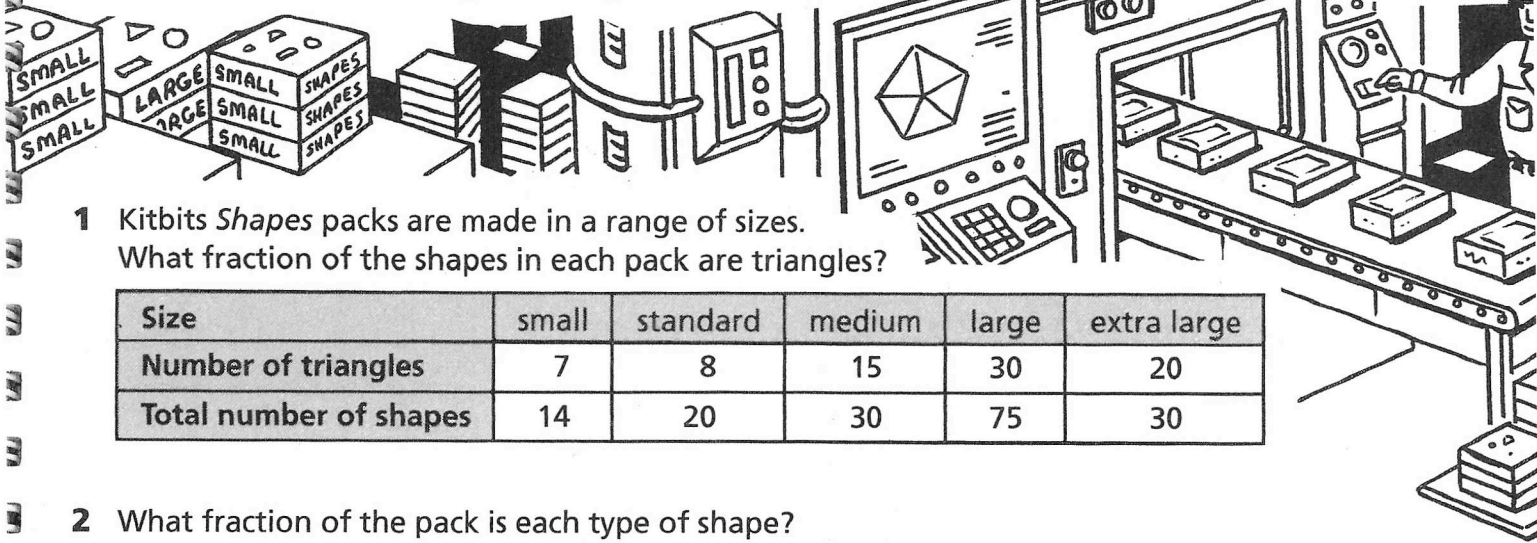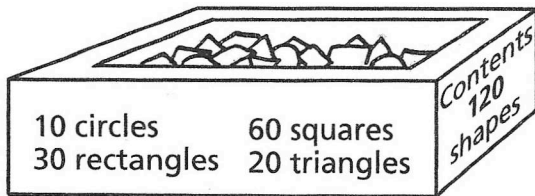# Kitbits Shapes packs

1 Kitbits *Shapes* packs are made in a range of sizes.
What fraction of the shapes in each pack are triangles?
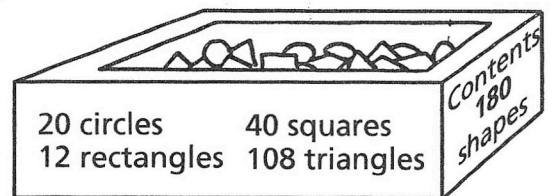
Size	small	standard	medium	large	extra large
Number of triangles	7	8	15	30	20
Total number of shapes	14	20	30	75	30

2 What fraction of the pack is each type of shape?

(a)

10 circles   60 squares
30 rectangles   20 triangles

Contents 120 shapes

(b)

20 circles   40 squares
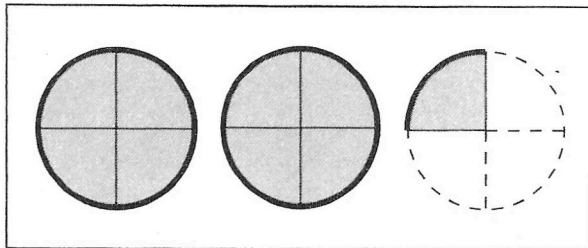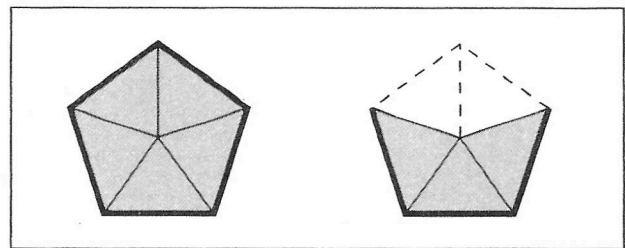12 rectangles   108 triangles

Contents 180 shapes

3 Write what each diagram shows • as a mixed number • as an improper fraction.
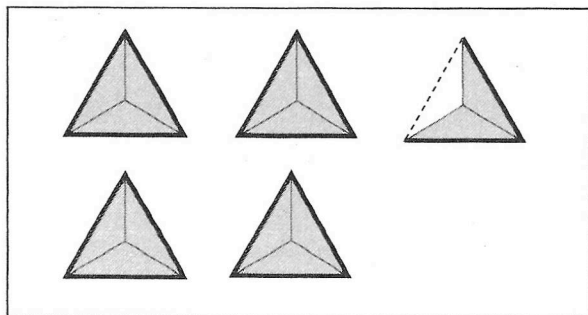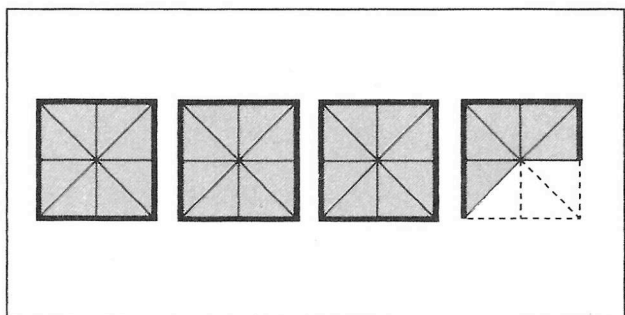
(a)

(b)

(c)

(d)

4 Write each mixed number as an **improper fraction**.

(a) $1\frac{7}{8}$ (b) $3\frac{3}{5}$ (c) $2\frac{3}{8}$ (d) $4\frac{2}{5}$ (e) $2\frac{1}{3}$ (f) $3\frac{7}{10}$ (g) $2\frac{5}{6}$

5 Write each improper fraction as a **mixed number**.

(a) $\frac{10}{3}$ (b) $\frac{15}{4}$ (c) $\frac{17}{5}$ (d) $\frac{23}{6}$ (e) $\frac{10}{4}$ (f) $\frac{14}{6}$ (g) $\frac{28}{8}$

(h) $\frac{24}{9}$ (i) $\frac{12}{4}$ (j) $\frac{20}{15}$ (k) $\frac{19}{7}$ (l) $\frac{30}{6}$ (m) $\frac{40}{7}$ (n) $\frac{57}{9}$