

Master Maths 9 Worksheet 5

Fractions 2

5

Name: _____

1. Find the following amounts.

(a) $\frac{1}{4}$ of 36 kg (b) $\frac{4}{5}$ of \$500

(c) $\frac{5}{8}$ of 64 m (d) $\frac{3}{4}$ of 420 kg

2. (a) How many quarters are in $3\frac{1}{2}$?

(b) How many tenths are in $4\frac{3}{5}$?

(c) How many sixths are in 12?

(d) How many 3's are in 14?

(e) How many $\frac{2}{3}$'s are in 8?

3. Use a calculator to solve the following problems. Give answers as proper fractions or mixed numbers.

(a) $2\frac{5}{6} \times (8\frac{1}{4} + 3\frac{3}{5})$

(b) Find $\frac{3}{5}$ of \$4540

(c) $3\frac{1}{4} + 2\frac{3}{7} + 4\frac{7}{9} - 6\frac{3}{13}$

(d) If a brick weighed $3\frac{1}{2}$ kg, what would 2450 bricks weigh?

4. An area of 2000 m² was to be paved with bricks. One-quarter of the area was paved on Monday. Two-fifths of the remaining area was paved on Tuesday.

Two-thirds of the remaining area was paved on Wednesday.

The remaining area was paved on Thursday.

(a) Find the area that was paved on each day.

Monday

Tuesday

Wednesday

Thursday

(b) What fraction of the area was paved on Thursday?

Give answer in its simplest form.

5. Blue and white paint was to be mixed so that three-quarters of the mixture was blue. If 24 litres of blue was used, how many litres of white should be added?

6. A number of students entered a mathematics competition. Rounds of questions were asked and after each round a fraction of the students remained to compete in the next round. After the first round of questions one-fifth of the students remained.

After the second round one-quarter of these students remained.

After the third round one-third of these students remained to compete in the final.

There were eight students in the final.

How many students entered the competition?